

Lecture (2)

"Introduction to Data Base"

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Dr. Dina Abdel hafez**

Access Data Base



للمشاريع الصغيرة والمتوسطة



Access Data Base



ضعف الحماية

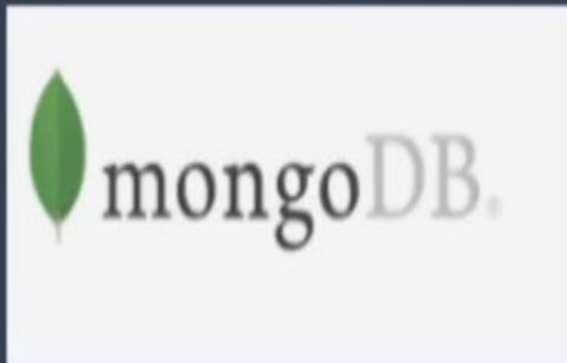


عدد المستخدمين محدود



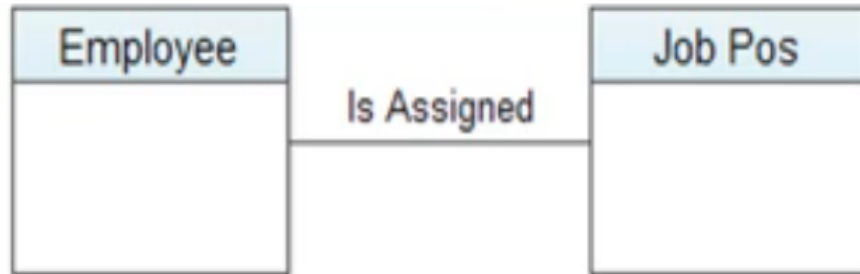
التخزين حتى ٢ جيجا

قواعد بيانات للشركات الكبيرة (مثل البنوك)

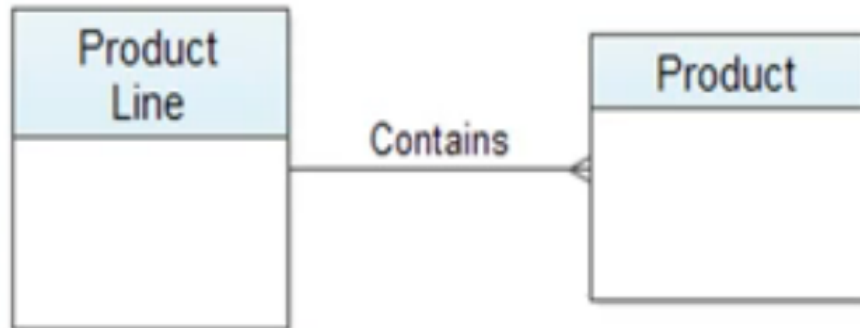


DB Relationship Types

- **One-to-One**
- **One- to-Many**
- **May-to-Many**



One-to-One



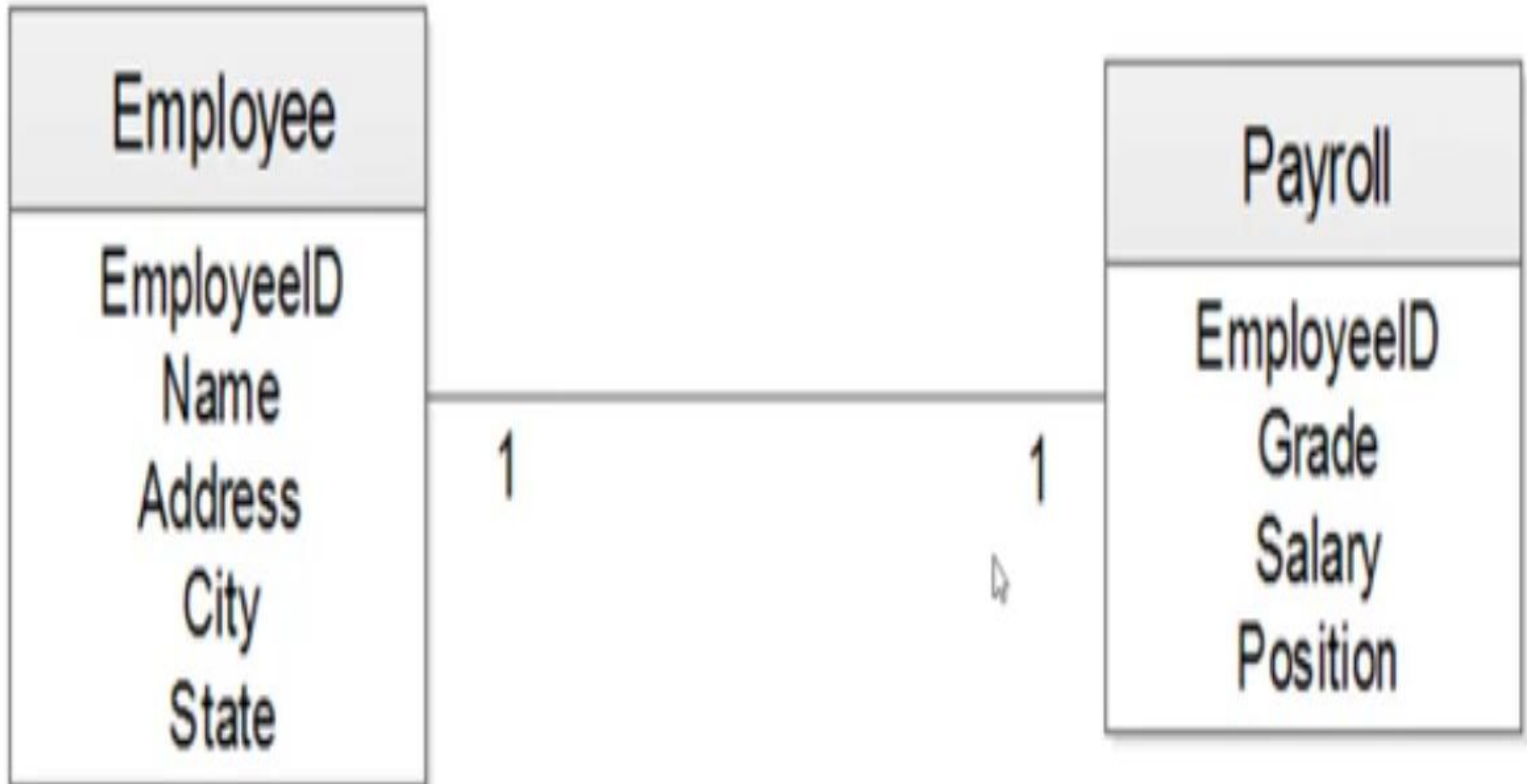
One-to-Many



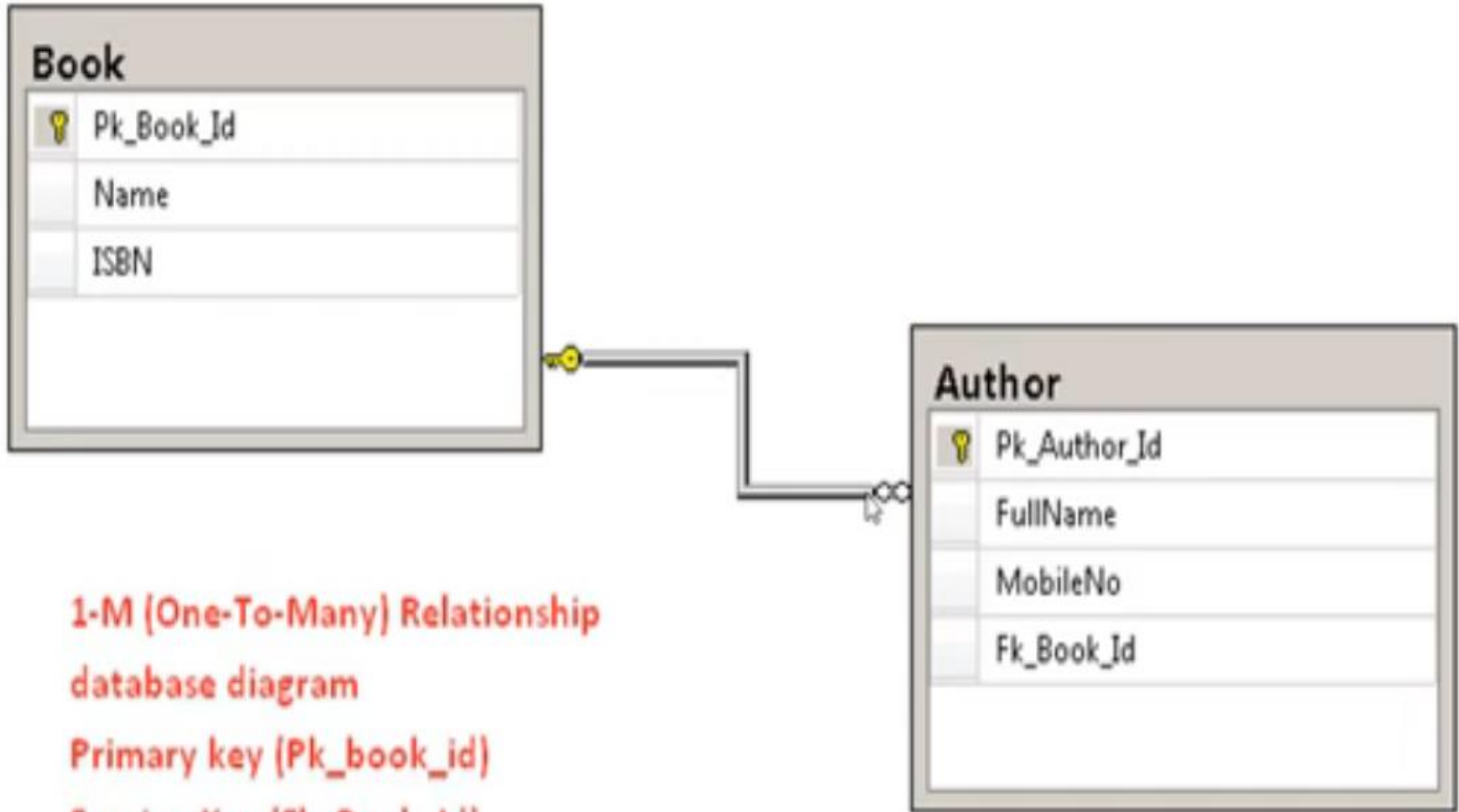
Many-to-Many



One-to-One Relationship



One-to-Many Relationship

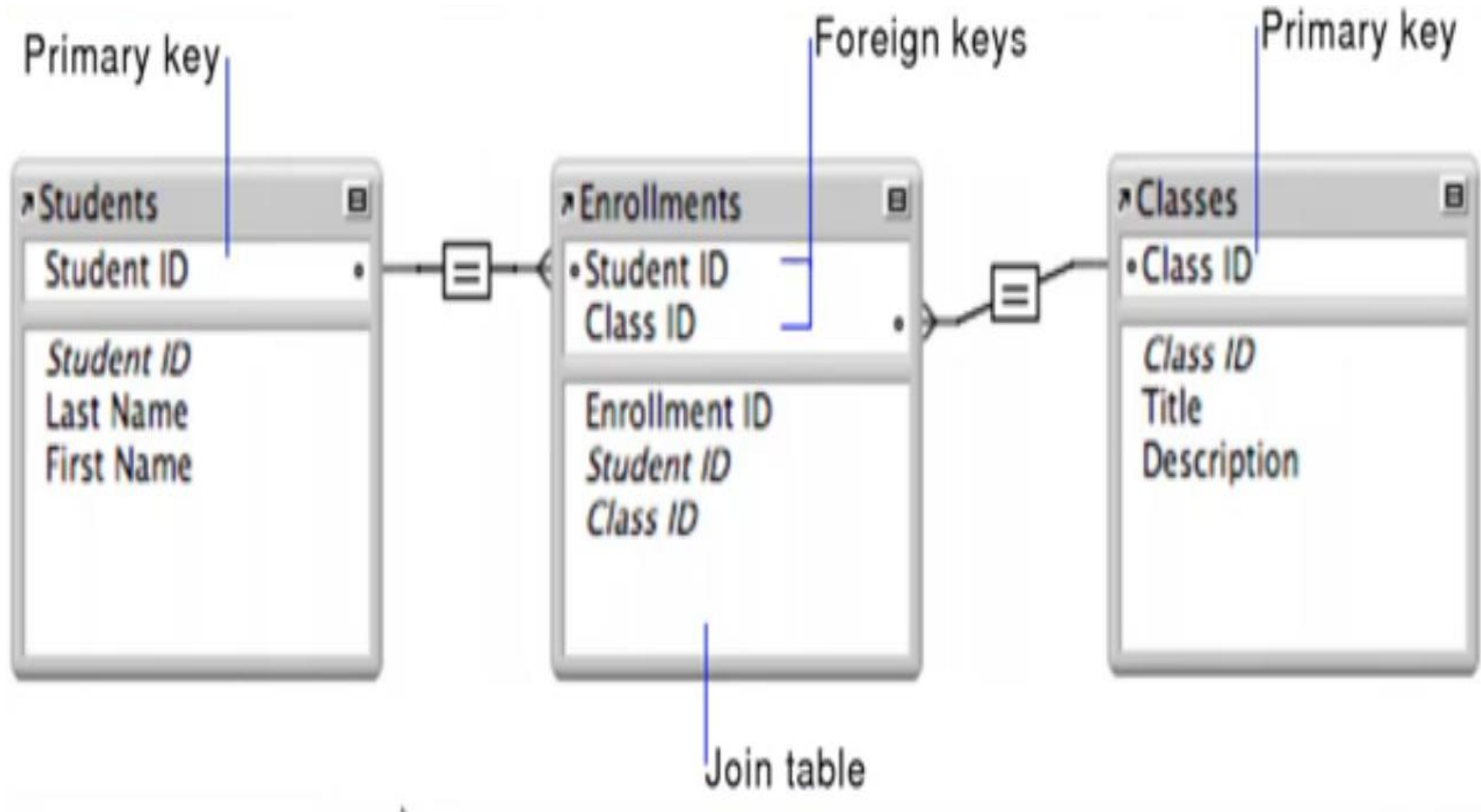


1-M (One-To-Many) Relationship
database diagram

Primary key (Pk_book_id)

Foreign Key (Fk_Book_Id)

Many-to-Many Relationship



Access Data Base

Access

Recent

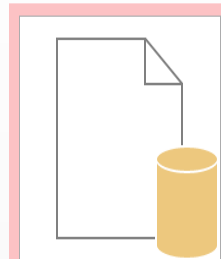
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 Open Other Files

Search for online templates



Suggested searches: Database Business Logs Industry Lists Personal Contacts



Blank desktop database



Custom web app



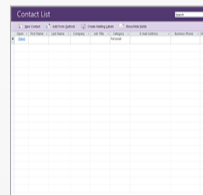
Northwind starter edition



Northwind dev edition



Asset tracking



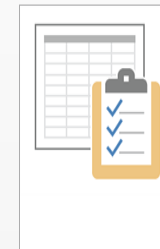
Contacts



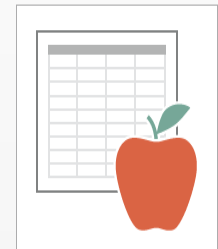
Students



Event management



Task management



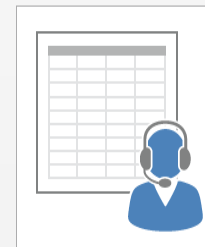
Nutrition tracking



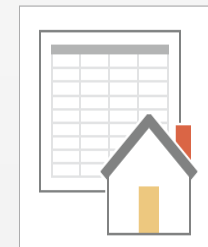
Charitable contributions



Call tracker



Customer service



Home inventory

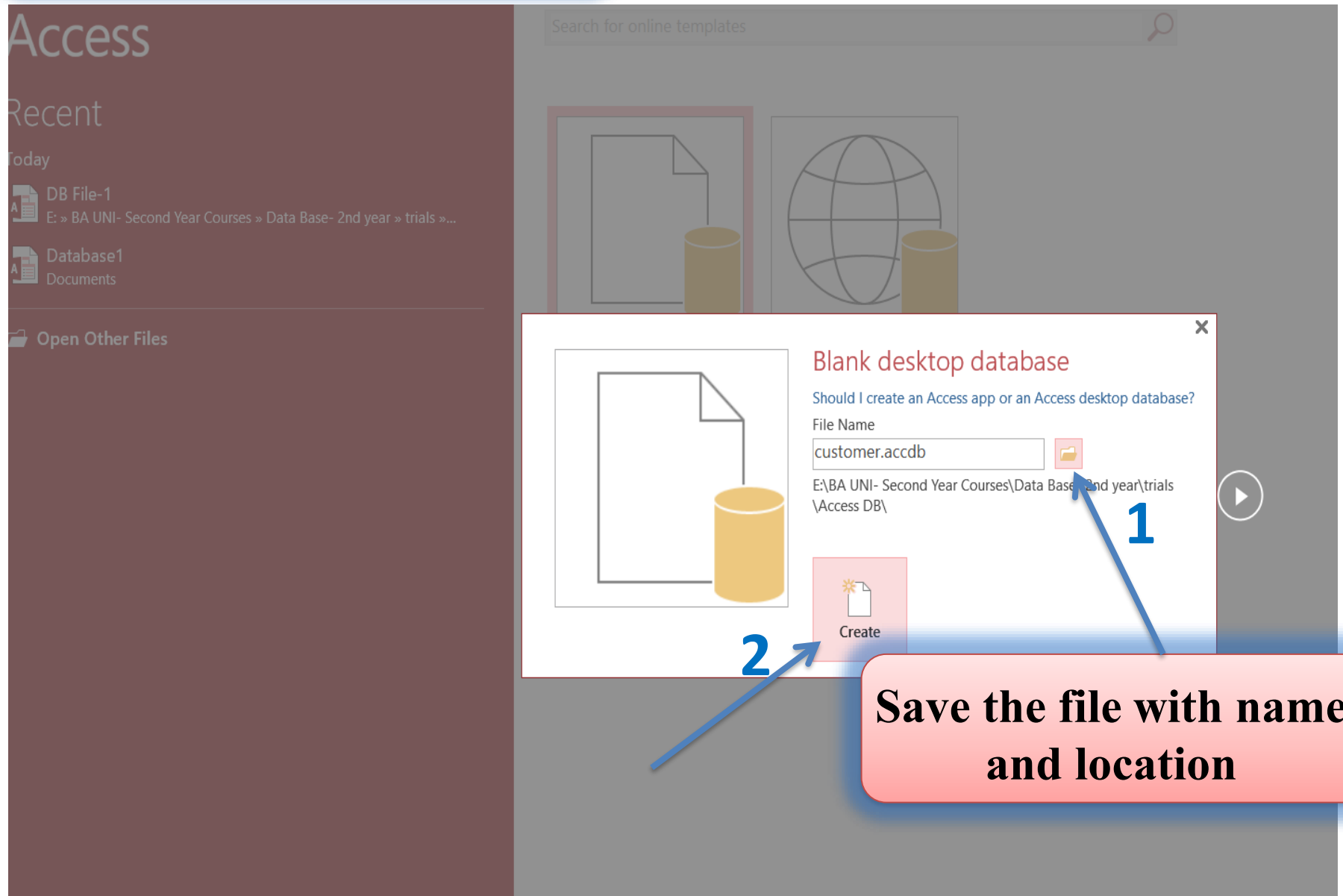


Inventory

Sign in to get the most out of

Let

Access Data Base



Access Data Base

The screenshot shows the Microsoft Access 2016 interface. The title bar indicates the file is 'customer : Database- C:\Users\DR Nihal\Documents\customer.accdb (Access 2007 - 2016 file format) - Access'. The ribbon is set to the 'Create' tab, with the 'Table Design' group selected. A blue arrow labeled '1 press create' points to the 'Table Design' button in the ribbon. Another blue arrow labeled '2 Table' points to the 'Table' button in the 'Table Design' group. Below the ribbon, the 'Table Design' view is shown for a table named 'Table3'. The table has three columns: 'Field Name', 'Data Type', and 'Description (Optional)'. The 'Field Name' column is highlighted in yellow. The 'Table Design' view is also visible in the background, showing the 'Table' button in the 'Table Design' group. The 'Field Properties' pane is visible at the bottom right, with the 'General' tab selected.

customer : Database- C:\Users\DR Nihal\Documents\customer.accdb (Access 2007 - 2016 file format) - Access

File Home Create External Data Database Tools Design Tell me what you want to do...

Application Parts Templates Table Table Design SharePoint Lists Query Wizard Query Design Form Form Design Blank Form Forms Form Wizard Navigation More Forms Report Wizard Report Design Blank Report Labels Reports Macro Module Class Module Visual Basic Macros & Code

All Access ... Search... Tables Table1

Table3

Field Name Data Type Description (Optional)

Field Properties

General Lookup

1 press create

2 Table

Access Data Base

File Home Create External Data Database Tools Fields Table Tell me what you want to do...

Views Add & Delete Properties Formatting Field Validation

AB 12 Date & Time Yes/No More Fields Delete Name & Caption Default Value Field Size Modify Lookups Expression Settings Memo Data Type: Number Format: \$ % , .00 .00 Validation Required Unique Indexed

All Access ... Search... Tables Table1

ID	first name	family name	id number	tel no	Click to Add
1	محمد	حسن	2089776766567	1088776660	
2	عبد الرحمن	علي	28766544433	1988777660	
3	احمد	مدحت	687676779	1265443320	
4	علي	حسام	976544	11876554440	
*(New)				0	

Access Data Base

The screenshot shows the Microsoft Access 2016 interface. The ribbon is set to the 'Create' tab, with the 'Table Design' group selected. A blue arrow points from the 'Table Design' icon to the 'Table Design' group. Another blue arrow points from the 'Table Design' group to the 'Table3' table in the 'Tables' list on the left. The 'Table3' table is open in Design view, showing a table with columns 'Field Name', 'Data Type', and 'Description (Optional)'. The 'Field Name' column is highlighted in yellow. The 'Tables' list on the left shows 'Table1' and 'Table3'. The 'Field Properties' pane is visible at the bottom right, with the 'General' tab selected.

customer : Database- C:\Users\DR Nihal\Documents\customer.accdb (Access 2007 - 2016 file format) - Access

File Home Create External Data Database Tools Design Tell me what you want to do...

Application Parts Templates Table Table Design SharePoint Lists Query Wizard Query Design Form Form Design Blank Form Forms Report Wizard Report Design Blank Report Labels Reports Macro Module Class Module Visual Basic Macros & Code

All Access ... Search... Tables Table1

Table3

Field Name Data Type Description (Optional)

2 Table Design

1 press create

Field Properties

General Lookup

Access Data Base Table Example

File Home Create External Data Database Tools Design Tell me what you want to do...

View Paste Cut Copy Format Painter Filter Ascending Descending Remove Sort Selection Advanced Toggle Filter Refresh All Delete Records New Save Totals Spelling More Find Replace Go To Select Find Text Formatting

All Access ... Search... Tables المعلومات الوظيفيه

Field Name	Data Type	Description (Optional)
ID	AutoNumber	
الرمز الوظيفي	Short Text	
القسم	Short Text	
المنصب	Short Text	
تاريخ استلام العمل	Date/Time	
تقييم العمل	Number	
المرتب	Short Text	

Field Properties

General Lookup

Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None
Text Align	General

Access Data Base

Access

Recent

Today

-  Database2 Documents
-  Employee
E: » BA UNI- Second Year Courses » Data Base- 2nd year » trials »...
-  EMP
E: » BA UNI- Second Year Courses » Data Base- 2nd year » trials »...

Yesterday

-  customer Documents
-  DB File-1
E: » BA UNI- Second Year Courses » Data Base- 2nd year » trials »...
-  Database1 Documents

 Open Other Files

Search for online templates

Suggested searches: Database Business Logs Industry Lists Personal Contacts

Sign in to get the most

Blank desktop database

Should I create an Access app or an Access desktop database?

File Name
EMPLOYEES

C:\Users\DR Nihal\Documents\

Create

STARTER EDITION TEMPLATE

DEVELOPER EDITION TEMPLATE

NORTHWIND TRADERS

NORTHWIND TRADERS

Northwind dev edition

Asset tracking

Task management

Nutrition tracking

Access Data Base

The screenshot displays the Microsoft Access interface. The top ribbon is set to 'Table', showing options for adding fields, properties, and validation. On the left, the 'Table1' tab is selected in the 'All Access' pane. A right-click context menu is open over 'Table1', listing actions such as 'Open', 'Design View', 'Import', 'Export', 'Rename', 'Delete', 'Cut', 'Copy', 'Paste', 'Linked Table Manager', 'Convert to Local Table', and 'Table Properties'. Three blue arrows point from text labels to specific menu items: 'Right click on table' points to the menu itself, 'Design view' points to 'Design View', and 'Rename' points to 'Rename'.

Right click on table

Design view

Rename

Access Data Base

File Home Create External Data Database Tools Fields Table Tell me what you want to do...

Views Short Text Number Currency Date & Time Yes/No More Fields Add & Delete

Name & Caption Default Value Field Size Properties

Modify Lookups Modify Expression Memo Settings

Data Type: Format: Formatting \$ % ,

Required Unique Indexed Validation

All Access ... Search... Tables Table1

Table1 ID Click to Add

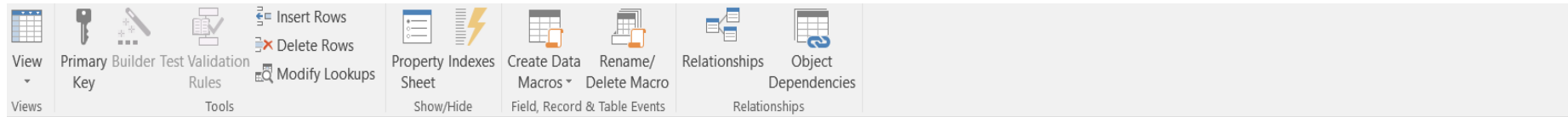
*(New)

Save As ? X

Table Name: employess

OK Cancel

Access Data Base



All Access ...

Search...

Tables

employess

Field Name	Data Type	Description (Optional)
ID	AutoNumber	
employee name	Short Text	
	Short Text	
	Long Text	
	Number	
	Date/Time	
	Currency	
	AutoNumber	
	Yes/No	
	OLE Object	
	Hyperlink	
	Attachment	
	Calculated	
	Lookup Wizard...	

Field Properties

General	Lookup
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None
Text Align	General

The data type d
users can store

Access Data Base

Press view & datasheet view

Field Name	Data Type	Description (Optional)
ID	AutoNumber	
employee name	Short Text	
age	Number	
code	Number	

Field Properties

General	
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None

A field name can be up to 64 characters including spaces. Press F1 for help.

Access Data Base

Microsoft Access ribbon: File, Home, Create, External Data, Database Tools, Design. Tell me what you want to do...

Views: View, Paste, Format Painter, Filter, Sort & Filter, Records, Find, Text Formatting.

Table2

Field Name	Data Type	Description (Optional)
الرمز الوظيفي	Long Text	

Search...

Microsoft Access

There is no primary key defined.

Although a primary key isn't required, it's highly recommended. A table must have a primary key for you to define a relationship between this table and other tables in the database. Do you want to create a primary key now?

Yes No Cancel

Field Properties

1 press cancel

General Lookup

Format	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None
Text Format	Plain Text
Text Align	General
Append Only	No

The data type determines what data users can store in the data.

Access Data Base

The screenshot shows the Microsoft Access interface with the 'employees' table open in Datasheet View. The table has columns 'ID', 'age', and 'code'. The 'code' column is highlighted in yellow. A right-click context menu is open over the table, showing options: 'Save', 'Close', 'Close All', 'Design View', and 'Datasheet View'. The 'Save' option is highlighted. A blue arrow points from the text 'Right click to Press save & close' to the 'Save' option in the menu.

ID	age	code
	30	1
	33	2
	40	3
	0	0

**Right click to Press
save & close**

Access Data Base

The screenshot displays the Microsoft Access interface for designing a table named 'Table1'. The ribbon at the top includes 'File', 'Home', 'Create', 'External Data', 'Database Tools', and 'Design'. The 'Design' ribbon is active, showing options like 'Insert Rows', 'Delete Rows', 'Modify Lookups', 'Property Sheet', 'Indexes', 'Create Data Macros', 'Rename/Delete Macro', 'Relationships', and 'Object Dependencies'. The left sidebar shows 'All Access ...' and 'Tables' with 'employess' listed. The main area shows the table design with columns: 'Field Name', 'Data Type', and 'Description (Optional)'. The 'color' field is selected, and its 'Data Type' dropdown is open, showing options like 'Short Text', 'Long Text', 'Number', 'Date/Time', 'Currency', 'AutoNumber', 'Yes/No', 'OLE Object', 'Hyperlink', 'Attachment', 'Calculated', and 'Lookup Wizard...'. A blue arrow points to the 'Lookup Wizard...' option. The bottom pane shows 'Field Properties' with 'General' and 'Lookup' tabs, and 'Display Control' set to 'Text Box'.

Field Name	Data Type	Description (Optional)
model	Short Text	
color	Short Text	

Lookup wizard to make combo box

Access Data Base

File Home Create External Data Database Tools Design Tell me what you want to do...

View Primary Builder Test Validation Insert Rows Delete Rows Property Indexes Create Data Rename/ Relationships Object Modify Lookups Sheet Macros Delete Macro Dependencies

Views Tools Show/Hide Field, Record & Table Events Relationships

All Access ... Search... Tables employess

Field Name	Data Type
model	Short Text
color	Short Text
	Short Text
	Long Text
	Number
	Date/Time
	Currency
	AutoNumber
	Yes/No
	OLE Object
	Hyperlink
	Attachment
	Calculated
	Lookup Wizard...

Lookup Wizard

This wizard creates a lookup field, which displays a list of values you can choose from. How do you want your lookup field to get its values?

☐ I want the lookup field to get the values from another table or query.

☒ I will type in the values that I want.

Cancel < Back Next > Finish

Field Properties

General Lookup

Display Control Text Box

The data t
users can

Access Data Base

File Home Create External Data Database Tools Design Tell me what you want to do...

View Primary Builder Test Validation Insert Rows Delete Rows Property Indexes Create Data Rename/ Relationships Object Modify Lookups Sheet Macros Delete Macro Dependencies

Views Tools Show/Hide Field, Record & Table Events Relationships

All Access ... search... Tables employess

Field Name	Data Type
model	Short Text
color	Short Text
	Short Text
	Long Text
	Number
	Date/Time
	Currency
	AutoNumber
	Yes/No
	OLE Object
	Hyperlink
	Attachment
	Calculated
	Lookup Wizard...

Lookup Wizard

What values do you want to see in your lookup field? Enter the number of columns you want in the list, and then type the values you want in each cell.

To adjust the width of a column, drag its right edge to the width you want, or double-click the right edge of the column heading to get the best fit.

Number of columns: 3

Col1
*

Cancel < Back Next > Finish

Field Properties

General Lookup

Display Control Text Box

Access Data Base

The screenshot displays the Microsoft Access interface. The top ribbon includes tabs for File, Home, Create, External Data, Database Tools, and Design. The Design tab is active, showing options like Insert Rows, Delete Rows, Modify Lookups, Property Sheet, Indexes, Create Data Macros, Rename/Delete Macro, Relationships, and Object Dependencies. The left pane shows the 'All Access Objects' task pane with 'Tables' selected, listing 'cars' and 'employess'. The main area shows the 'cars' table in Design view with the following fields:

Field Name	Data Type
ID	AutoNumber
model	Short Text
color	Short Text
date	Date/Time
employee-id	Number

The 'Lookup Wizard' dialog box is open, asking for values to see in the lookup field. It specifies the number of columns as 1. The list of values includes 'red', 'white', and 'black'. The 'Next >' button is highlighted.

Field Properties

Property	Value
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None
Text Align	General

Access Data Base

employees : Database- E:\BA UNI- Second Year Courses\Data Base- 2nd year\trials\Access DB\employees.ac

File Home Create External Data Database Tools Design Tell me what you want to do...

View Primary Key Builder Test Validation Rules Insert Rows Delete Rows Modify Lookups Property Indexes Sheet Create Data Macros Rename/Delete Macro Relationships Object Dependencies

Views Tools Show/Hide Field, Record & Table Events Relationships

All Access ... Search... Tables cars employess

Field Name	Data Type
ID	AutoNumber
model	Short Text
color	Short Text
date	Date/Time
employee-id	Number

Lookup Wizard

What label would you like for your lookup field?
color

Do you want to limit entries to the choices?
☐ Limit To List

Do you want to store multiple values for this lookup?
☐ Allow Multiple Values

Those are all the answers the wizard needs to create your lookup field.

Cancel < Back Next > Finish

Field Properties

General Lookup	
Field Size	255
Format	
Input Mask	
Caption	
Default Value	
Validation Rule	
Validation Text	
Required	No
Allow Zero Length	Yes
Indexed	No
Unicode Compression	Yes
IME Mode	No Control
IME Sentence Mode	None
Text Align	General

Access Data Base

File Home Create External Data Database Tools Design Tell me what you want to do...

View Primary Builder Test Validation Rules Insert Rows Delete Rows Modify Lookups Property Indexes Sheet Show/Hide Create Data Macros Field, Record & Table Events Rename/Delete Macro Relationships Object Dependencies Relationships

All Access ... Search... Tables employess

Table1

Field Name	Data Type	Description (Optional)
model	Short Text	
color	Short Text	
code	Number	

Field Properties

General Lookup

Display Control Text Box

Microsoft Access

You must first save the table.

Do you want to save the table now?

Yes No

Save the file

FileHomeCreateExternal DataDatabase ToolsDesign

Tell me what you want to do...

View

▼

Views

Primary Key

Builder

Test

Validation Rules

Tools

Insert Rows

Delete Rows

Modify Lookups

Property Indexes Sheet

Show/Hide

Create Data Macros

Field, Record & Table Events

Rename/Delete Macro

Relationships

Object Dependencies

Relationships

All Access ...

Search...

Tables

employess

Table1

Field Name	Data Type	Description (Optional)
model	Short Text	
color	Short Text	
code	Number	

Field Properties

General

Lookup

Display Control

Text Box

Save As ? X

Table Name:

cars

OKCancel

Access Data Base

File Home Create External Data Database Tools Design Tell me what you want to do...

Views Primary Key Builder Test Validation Rules Insert Rows Delete Rows Modify Lookups Property Indexes Sheet Show/Hide Create Data Macros Field, Record & Table Events Rename/Delete Macro Relationships Object Dependencies Relationships

All Access ... Search... Tables employess

Field Name	Data Type	Description (Optional)
model	Short Text	
color	Short Text	
code	Number	

Microsoft Access

There is no primary key defined.

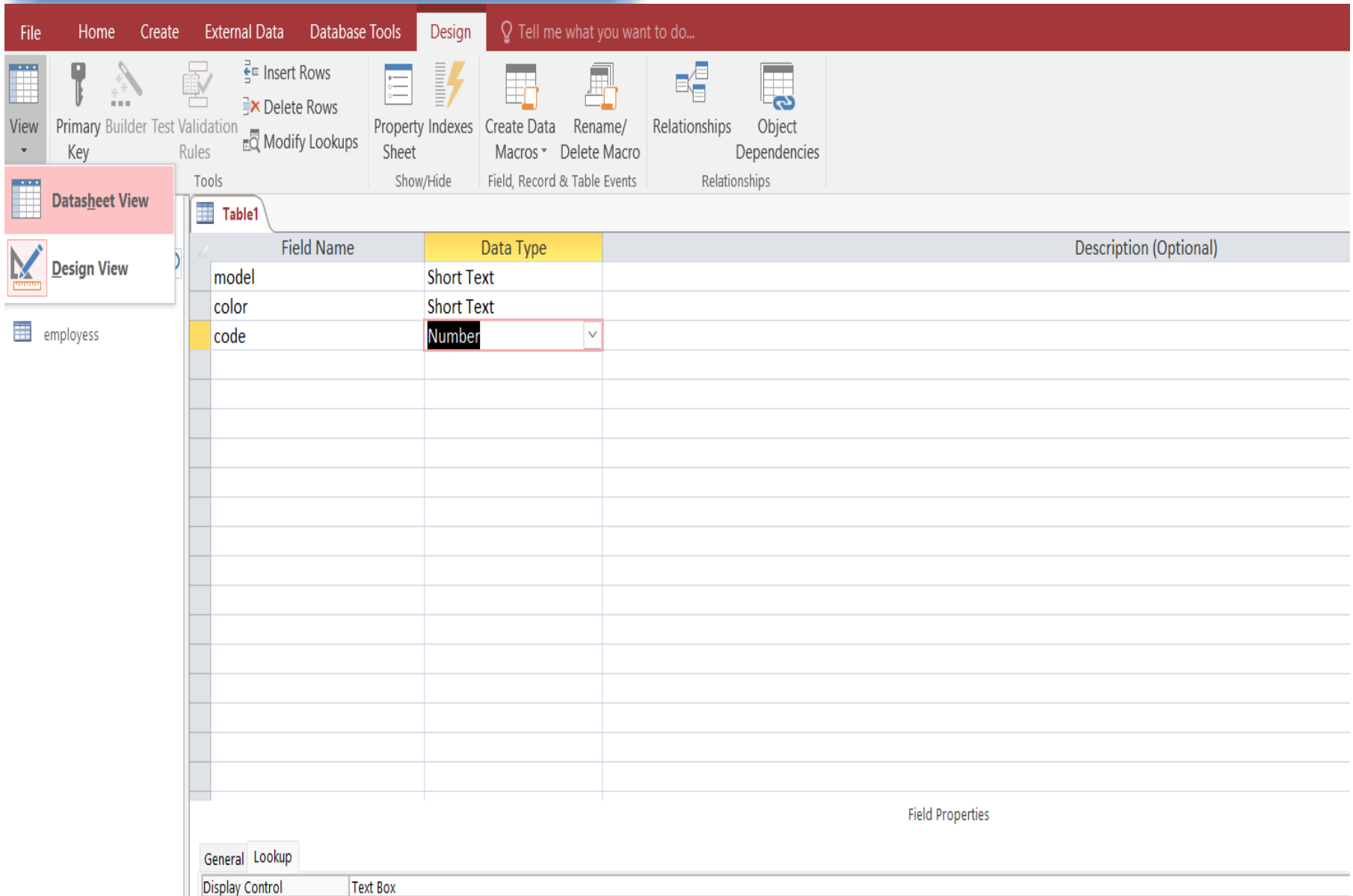
Although a primary key isn't required, it's highly recommended. A table must have a primary key for you to define a relationship between this table and other tables in the database. Do you want to create a primary key now?

Yes No Cancel

Press yes to link this table with the main one

Field Properties

Access Data Base



Access Data Base

Microsoft Access interface showing the "employees" database. The ribbon includes File, Home, Create, External Data, Database Tools, Fields, and Table. The "Table Tools" tab is active, displaying options for Filter, Sort & Filter, Records, Find, and Formatting.

The "cars" table is displayed in Datasheet View. The table structure is as follows:

ID	model	color	date	employee-id	Click to Add
1	hyundai	black	12/3/1899	2	
2	opel	white	10/4/2023	1	
3	suzuki	red	8/3/2021	4	
*	(New)				

The left pane shows the "All Access ..." view with a search bar and a list of tables: "cars" and "employess".

Access Data Base

The screenshot shows the Microsoft Access interface with the 'cars' table open in Datasheet View. The ribbon includes File, Home, Create, External Data, Database Tools, Fields, and Table. The 'cars' table has columns 'color', 'code', and 'Click to Add'. The data rows are:

color	code	Click to Add
red	1	
red	2	
red	3	
	0	

A context menu is open over the table, showing options: Save, Close, Close All, Design View, and Datasheet View. A blue arrow points from the text 'Press Save & close' to the 'Save' option in the menu.

Press Save & close

Access Data Base

The screenshot shows the Microsoft Access interface with the 'Design' tab selected. The table 'cars' is open in Design view. The 'employee-ID' field is marked as the primary key (PK) with a key icon. The 'Tables' list on the left shows 'cars' and 'employess'. The 'Design' ribbon includes options like 'Primary Key', 'Insert Rows', 'Delete Rows', 'Modify Lookups', 'Property Sheet', 'Indexes', 'Create Data Macros', and 'Rename/Delete Macro'.

Field Name	Data Type
employee-ID	AutoNumber
model	Short Text
color	Short Text
date	Date/Time
employee-id	Number

PK

General	
Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Text Align	General

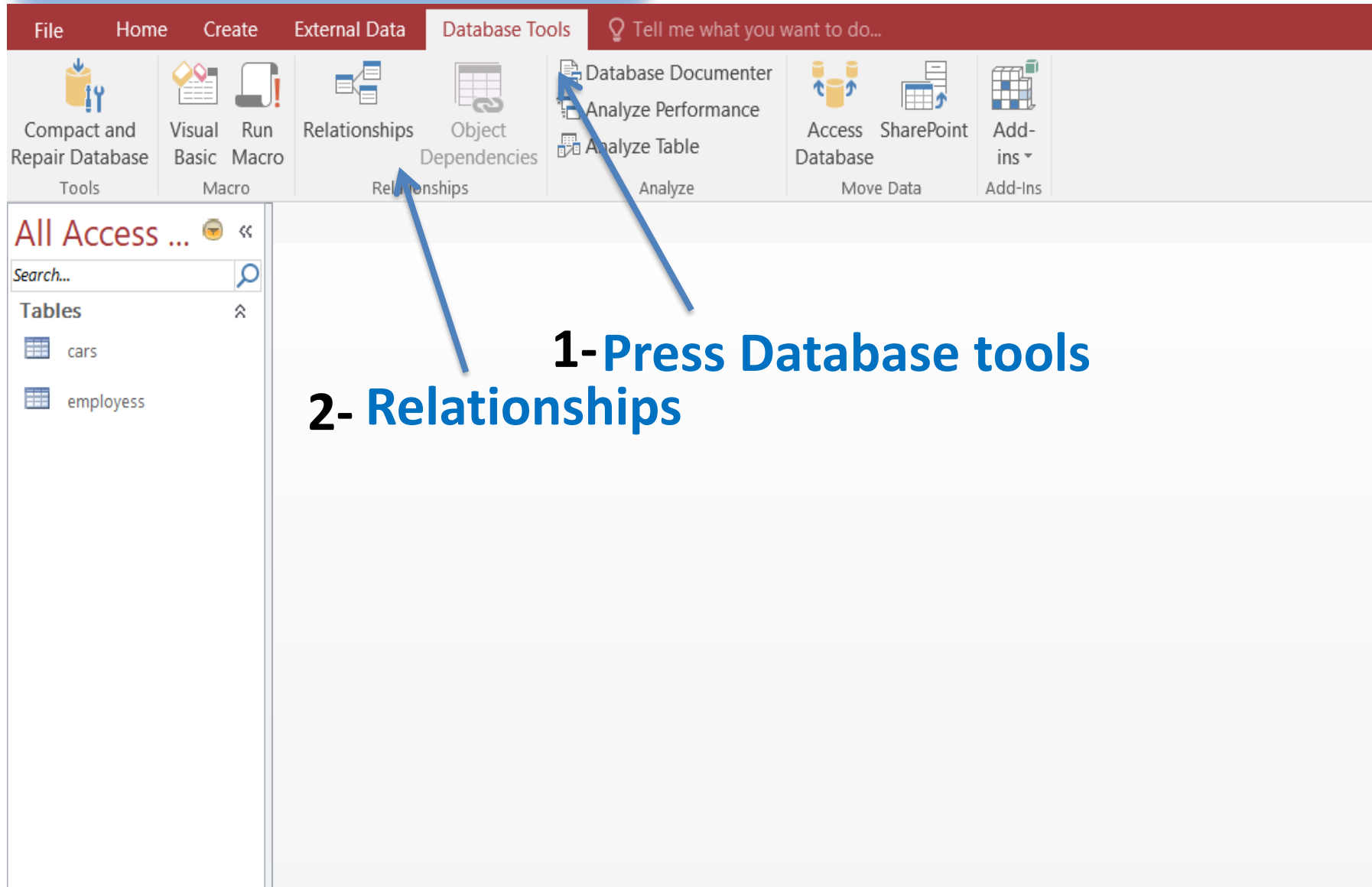
Access Data Base

The screenshot displays the Microsoft Access interface for a database named 'employees : Database- E:\BA'. The ribbon includes 'File', 'Home', 'Create', 'External Data', 'Database Tools', 'Table Tools', and 'Design'. The 'Design' ribbon is active, showing options like 'Primary Key', 'Builder', 'Test Validation Rules', 'Insert Rows', 'Delete Rows', 'Modify Lookups', 'Property Sheet', 'Indexes', 'Create Data Macros', and 'Rename/Delete Macro'. The 'Tables' list on the left shows 'cars' and 'employees', with 'employees' selected. The 'employees' table is in Design view, showing fields: 'employee-ID' (AutoNumber), 'employee name' (Short Text), 'age' (Number), and 'salary' (Currency). The 'employee-ID' field is marked as the primary key. A blue arrow points from the label 'PK' to the primary key icon on the 'employee-ID' field. The 'General' tab of the property sheet is visible at the bottom, showing settings for 'Long Integer' with 'Increment' and 'Yes (No Duplicates)' options.

Field Name	Data Type
employee-ID	AutoNumber
employee name	Short Text
age	Number
salary	Currency

General	
Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Text Align	General

Access Data Base



Access Data Base

The screenshot shows the Microsoft Access interface. The top ribbon includes tabs for File, Home, Create, External Data, Database Tools, and Design. The Database Tools tab is active, showing options like 'Show Table', 'Hide Table', 'Direct Relationships', and 'All Relationships'. The 'Show Table' dialog box is open, displaying a list of tables: 'cars' and 'employess'. The 'cars' table is selected. At the bottom of the dialog box, there are 'Add' and 'Close' buttons. A blue arrow points from the text 'Press cars then Add' to the 'Add' button.

File Home Create External Data Database Tools Design Tell me what you want to do...

Edit Clear Layout Show Table Hide Table Direct Relationships All Relationships Close

Tools Relationships

All Access ... search... Tables cars employess

Relationships

Show Table ? X

Tables Queries Both

cars
employess

Add Close

Press cars then Add

Access Data Base

The screenshot displays the Microsoft Access interface. The top ribbon includes tabs for File, Home, Create, External Data, Database Tools, and Design. The Design tab is active, showing options like Edit Relationships, Clear Layout, Relationship Report, Hide Table, Direct Relationships, Show Table, All Relationships, and Close. The left sidebar shows the 'All Access Objects' pane with a search bar and a list of tables: cars, employess, and employess_1. The main workspace shows the 'Relationships' window with two tables: 'cars' (with fields ID, model, color, date, employee-id) and 'employess_1' (with fields employee-ID, employee name, age, salary). The 'ID' field in 'cars' is highlighted. The 'Edit Relationships' dialog box is open, showing the relationship between 'cars' and 'employess_1' on the 'ID' and 'employee-ID' fields. The dialog includes checkboxes for 'Enforce Referential Integrity', 'Cascade Update Related Fields', and 'Cascade Delete Related Records'. The 'Relationship Type' is set to 'One-To-One'. A blue arrow points to the 'One-To-One' relationship type.

Relationship Tools employees : Database- E:\BA UNI- Second Year Courses\Data Base- 2nd year\trials\Access

File **Home** **Create** **External Data** **Database Tools** **Design** Tell me what you want to do...

Tools **Relationships**

Edit Relationships

Table/Query: cars **Related Table/Query:** employess_1

ID **employee-ID**

☐ Enforce Referential Integrity

☐ Cascade Update Related Fields

☐ Cascade Delete Related Records

Relationship Type: One-To-One

Create **Cancel** **Join Type..** **Create New..**

Access Data Base

Microsoft Access ribbon interface showing the Design view of a table named 'cars'.

Table Tools employees : Database- E:\BA UNI- Second Year Courses\Data Base- 2nd year\trials\Access DB\employees.accdb (Access 2007 - 2016 file format) - Access

Design Tell me what you want to do...

Views View Primary Key Builder Test Validation Rules Modify Lookups

Tools Property Indexes Sheet Show/Hide Create Data Macros Field, Record & Table Events Rename/Delete Macro Relationships Object Dependencies Relationships

All Access ... Search... Tables cars employess

Field Name	Data Type	Description (Optional)
ID	AutoNumber	
model	Short Text	
color	Short Text	
code	Number	

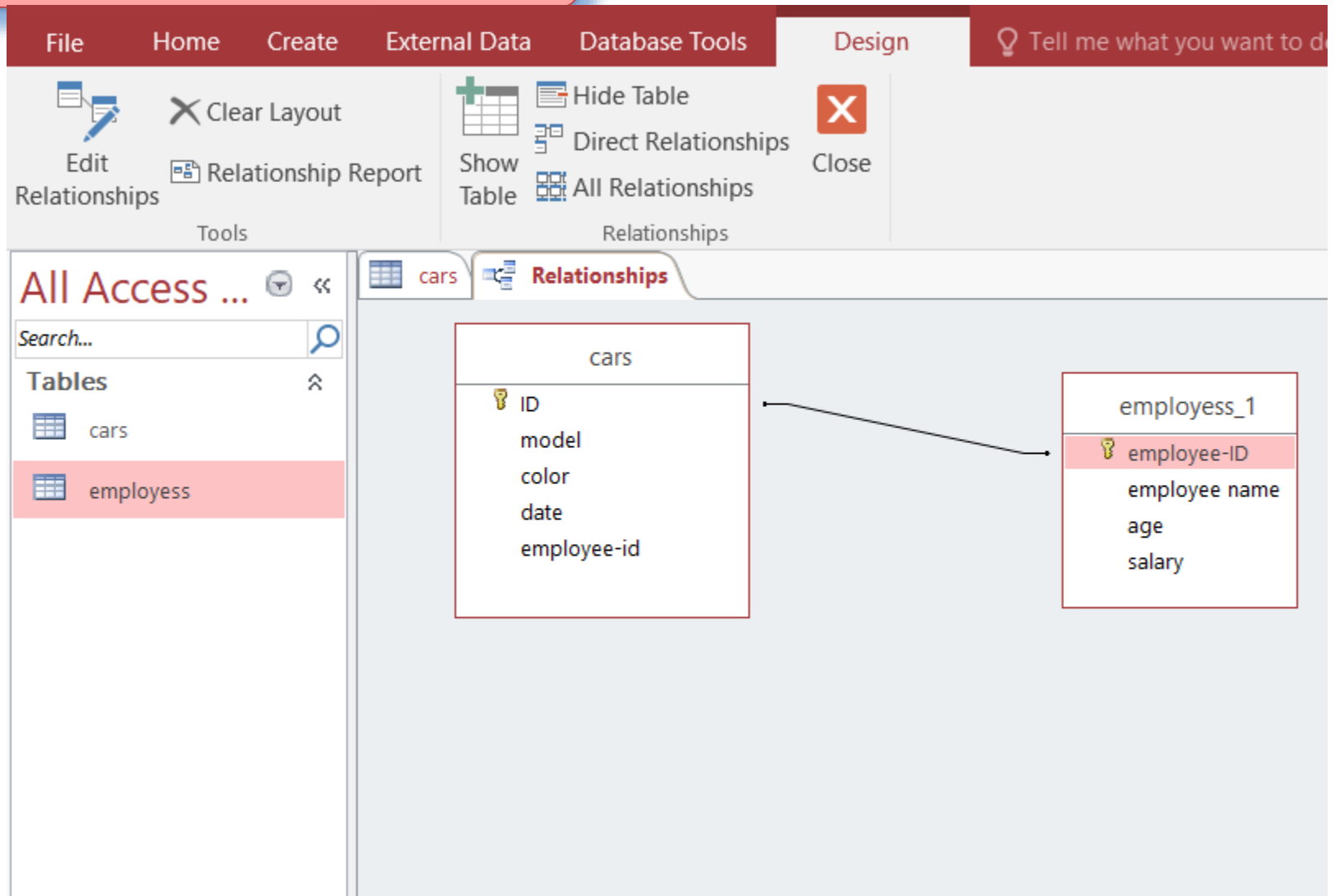
Field Properties

General Lookup

Field Size	Long Integer
New Values	Increment
Format	
Caption	
Indexed	Yes (No Duplicates)
Text Align	General

A field name can be up to including spaces. Press F1 for help.

Access Data Base



Access Data Base

The screenshot displays the Microsoft Access interface. The title bar indicates the database file is 'employees : Database- E:\BA UNI- Second Year Courses\Data Base- 2nd year\trials\Access DB\employees.accdb (Access 2007 - 2016 file format) - Access'. The ribbon is set to 'Design'. The 'Relationships' task pane is active, showing a one-to-one relationship between the 'cars' and 'employess' tables. A blue arrow points to the relationship line. The 'cars' table has fields: ID (primary key), model, color, and code. The 'employess' table has fields: ID, employee name, age, and code.

Relationships

cars

- ID (Primary Key)
- model
- color
- code

employess

- ID
- employee name
- age
- code

This link is one to one relation

*Thank
you*

