



Course: Data Base
Semester: 1st term 2025/2026

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Assignment 1: Introduction to Database, Microsoft Access and Relationships

Deadline: October 15, 2025, **Delivery:** Upload one pdf that includes answers to MCQ in a table.

1. A database is best defined as:

- A) A random collection of files
- B) An unorganized set of information
- C) A collection of related data organized in tables
- D) A printed list of names

2. In a database table, rows are also known as:

- A) Fields
- B) Records
- C) Attributes
- D) Columns

3. Columns in a database table represent:

- A) Data types
- B) Records
- C) Fields or attributes
- D) Relationships

4. The primary key in a database table:

- A) Can be repeated
- B) Must contain duplicate values
- C) Uniquely identifies each record
- D) Represents data type

5. Which of the following is a Database Management System (DBMS)?

- A) Microsoft Excel
- B) Microsoft Word
- C) Microsoft Access
- D) Adobe Photoshop

6. A relationship in a database connects:

- A) Data within the same cell
- B) Two or more tables
- C) Worksheets
- D) Programs





7. A database system that manages data efficiently is called:

- A) Operating system
- B) File system
- C) DBMS
- D) Compiler

8. What is the main advantage of using a DBMS?

- A) Data redundancy
- B) Faster file access
- C) Data organization and easy retrieval
- D) Data loss

9. The following are components of a DBMS:

- A) Hardware
- B) Software
- C) Users
- D) All Previous

10. Which of the following best describes a table?

- A) A visual representation of data
- B) A collection of related records
- C) An individual record
- D) A DBMS component

11. In a student database, the Student ID would be:

- A) Foreign Key
- B) Primary Key
- C) Data Field
- D) Relationship Key

12. DBMS examples include all of the following except:

- A) MySQL
- B) Oracle
- C) Excel
- D) SQL Server

13. The term data refers to:

- A) Raw facts and figures
- B) Organized information
- C) Database structure
- D) Processed results





14. A table's columns are also referred to as:

- A) Attributes
- B) Entities
- C) Files
- D) Records

15. Which statement is true about a database?

- A) Each table can only store one record
- B) Tables can be linked using relationships
- C) Primary keys can have duplicates
- D) Databases cannot store numeric data

16. Microsoft Access is a type of:

- A) Programming language
- B) DBMS software
- C) Operating system
- D) Spreadsheet tool

17. In MS Access, to create a new table, you go to:

- A) File → Save
- B) Create → Table
- C) Insert → Record
- D) Tools → Add

18. Which view is used to define fields and data types in Access?

- A) Datasheet View
- B) Table Design View
- C) Form View
- D) Report View

19. The primary key symbol in Access appears as:

- A) Key icon
- B) Star symbol
- C) Lock symbol
- D) Hash (#)

20. The one-to-one relationship means:

- A) One record in Table A relates to many in Table B
- B) Many records in both tables relate to each other
- C) One record in Table A relates to exactly one record in Table B
- D) Tables are not related





21. In a one-to-many relationship:

- A) One record links to several in another table
- B) Each record links to exactly one other
- C) Tables have identical fields
- D) Relationships are disabled

22. A many-to-many relationship requires:

- A) Two primary keys
- B) A linking (junction) table
- C) A relationship wizard
- D) A foreign key only

23. To create relationships in MS Access, go to:

- A) View → Tools
- B) Database Tools → Relationships
- C) File → Options
- D) Create → Relationships

24. Which of the following correctly identifies the relationship type in this example? “Each car has exactly one assigned employee, and each employee has one assigned car.”

- A) One-to-Many
- B) Many-to-Many
- C) One-to-One
- D) No relationship

25. The Lookup Wizard in Access is used to:

- A) Delete tables
- B) Create combo boxes for related fields
- C) Backup databases
- D) Encrypt passwords

26. When saving a table for the first time in Access, you must:

- A) Select a query
- B) Provide a name and location
- C) Press the Exit button
- D) Choose “Open in Excel”

27. What does PK stand for in Access?

- A) Primary Key
- B) Public Key
- C) Process Key
- D) Parent Key





28. To view table data after creation, you use:

- A) Design View
- B) Datasheet View
- C) SQL View
- D) Relationship View

29. In Access, the relationship line between tables indicates:

- A) File link
- B) Data duplication
- C) Type of relationship (1:1 or 1:M)
- D) Form connection

30. Which of the following steps correctly creates a one-to-one link?

- A) Drag a line from ID of one table to ID of another and press Create
- B) Add a new table and rename it
- C) Delete one of the tables
- D) Use Excel Import Wizard

31. What is DBMS?

- A) DBMS is a collection of queries
- B) DBMS is a high-level language
- C) DBMS is a programming language
- D) DBMS stores, modifies and retrieves data

32. Which type of data can be stored in the database?

- A) Image oriented data
- B) Text, files containing data
- C) Data in the form of audio or video
- D) All of the above

