

# Activity-2

---

# Q1

---

What will be the output of this code?

```
int a = 5;  
if (a > 2)  
    cout << "A";  
if (a < 10)  
    cout << "B";  
else  
    cout << "C";
```

Output = A B

# Q2

---

**Multiple Choice:**

Which statement correctly checks if num is between 10 and 20 (inclusive)?

A) if (num > 10 && num < 20)

B) if (num >= 10 && num <= 20)

C) if (num = 10 && num = 20)

D) if (num > 10 || num < 20)

# Q3

---

Predict the output:

```
int a = 10, b = 20;  
if (a = b)  
    cout << "Equal";  
else  
    cout << "Not Equal";
```

**Output = Equal**

# Q4

---

Predict the output:

```
int i = 1;
while (i < 4) {
    cout << i << " ";
    i++;
}
```

**Output =1 2 3**

# Q5

---

What will be the output?

```
int x = 5;  
do {  
    cout << x << " ";  
    x++;  
} while (x < 5);
```

**Output= 5**

# Q6

---

Which loop is best used when the number of iterations is *known*?

A) while

B) do-while

C) for

D) goto