

1. Java if (if-then) Statement

The syntax of an **if-then** statement is:

```
if (condition) {  
    // statements  
}
```

1.

In Given syntax, condition refers to _____ expression

a) None

b) int

c) char

d) boolean

```
class IfStatement {  
    public static void main(String[] args) {  
  
        int number = 10;  
  
        // checks if number is less than 0  
        if (number < 0) {  
            System.out.println("The number is negative.");  
        }  
  
        System.out.println("Statement outside if block");  
    }  
}
```

2.

What is the output of the following program?

a) Error

b) The number is negative

c) Statement outside if block

d) blank screen

```
public class IfExample {  
    public static void main(String[] args) {  
        int age=20;  
        if(age>18){  
            System.out.print("Age is greater than 18");  
        }  
    }  
}
```

3.

What will be the output of the following program?

- | | |
|---------------------------|-----------|
| a) Age is greater than 18 | b) age=18 |
| c) Error | d) age=20 |

syntax

```
if(condition)  
statement1;  
else  
statement2;
```

4.

The given syntax represents what type of selection control statement?

- | | |
|------------|-------------------|
| a) If-else | b) If-then |
| c) None | d) If-else Ladder |

```

if (condition1) {
    // codes
}
else if(condition2) {
    // codes
}
else if (condition3) {
    // codes
}
.
.
else {
    // codes
}

```

5.

Write the type of Selective control statement for the given image?

- | | |
|-------------------|------------|
| a) If-else | b) if-then |
| c) Ladder if-else | d) None |

```

public class Main {
    public static void main(String[] args) {
        if (20 > 18) {
            System.out.println("20 is greater than 18");
        }
    }
}

```

6.

What is the output for the given program?

- | | |
|--------------------------|-----------------|
| a) 20 is greater than 18 | b) Error |
| c) None | d) Blank Screen |

```

int x = 50;
int y = 50;
    (x    y) {
    System.out.println("Hello World");
}

```

7.

Fill the gaps in the code given

- | | |
|------------|-----------|
| a) if & >= | b) None |
| c) if & == | d) if & > |

```

public class Main {
    public static void main(String[] args) {
        int time = 20;
        String result;
        result = (time < 18) ? "Good day." : "Good evening.";
        System.out.println(result);
    }
}

```

8.

What is the output for the given code?

- | | |
|------------|-----------------|
| a) time=20 | b) Good day |
| c) Error | d) Good evening |

```

public class Main {
    public static void main(String[] args) {
        int day = 4;
        switch (day) {
            case 1:
                System.out.println("Monday");
                break;
            case 2:
                System.out.println("Tuesday");
                break;
            case 3:
                System.out.println("Wednesday");
                break;
            case 4:
                System.out.println("Thursday");
                break;
            case 5:
                System.out.println("Friday");
                break;
            case 6:
                System.out.println("Saturday");
                break;
            case 7:
                System.out.println("Sunday");
                break;
        }
    }
}

```

9.

What will be the output for the given program?

- | | |
|-------------|-------------|
| a) Thursady | b) Saturday |
| c) Friday | d) Sunday |

```

public class Main {
    public static void main(String[] args) {
        int day = 4;
        switch (day) {
            case 6:
                System.out.println("Today is Saturday");
                break;
            case 7:
                System.out.println("Today is Sunday");
                break;
            default:
                System.out.println("Looking forward to the Weekend");
        }
    }
}

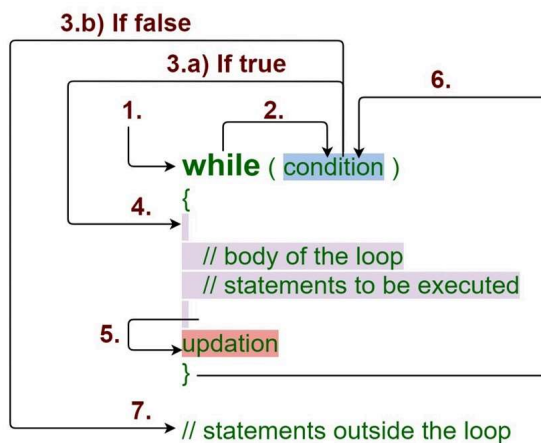
```

10.

What is the output for the given program?

- a) Looking forward to the Weekend b) Today is Sunday
- c) Compile Error d) Today is Saturday

While Loop



11.

In the given while loop statement, what statement will be used in the place of updation?

- a) update b) break
- c) Increment/ Decrement d) continue

```
Test.java - Notepad
File Edit View

public class Test
{
    public static void main(String args[])
    {
        int i=1,n=10,sum=0;
        while(i<=n)
        {
            sum=sum+i;
            i++;
        }
        System.out.println("Sum of 'n' numbers="+sum);
    }
}
```

12.

a) 10

b) Compile Error

c) Sum of 'n' numbers=55

d) Sum of 'n' numbers=11

```

class Main {
    public static void main(String[] args) {

        int number = 49;
        String size;

        // switch statement to check size
        switch (number) {

            case 29:
                size = "Small";
                break;

            case 42:
                size = "Medium";
                break;

            // match the value of week
            case 44:
                size = "Large";
                break;

            case 48:
                size = "Extra Large";
                break;

            default:
                size = "Unknown";
                break;

        }
        System.out.println("Size: " + size);
    }
}

```

13.

What the output for the given switch statement?

- | | |
|-----------|------------|
| a) Medium | b) Unknown |
| c) Small | d) Large |

```

class Main {
    public static void main(String[] args) {

        int expression = 2;

        // switch statement to check size
        switch (expression) {
            case 1:
                System.out.println("Case 1");

                // matching case
            case 2:
                System.out.println("Case 2");

            case 3:
                System.out.println("Case 3");

            default:
                System.out.println("Default case");
        }
    }
}

```

14.

Predict the output for the given program

- | | |
|-----------------|-----------|
| a) Case 2 | b) Case 2 |
| Case 3 | |
| Default Case | |
| c) Default Case | d) Case 3 |

```

public class ForExample {
    public static void main(String[] args) {
        //Using no condition in for loop
        for(;;){
            System.out.println("Inside For Loop");
        }
    }
}

```

15.

Is this given statement of for loop declaration is correct or not?

- | | |
|---------|----------|
| a) True | b) False |
|---------|----------|

Answer Keys

- | | | |
|---------------------------------------|--------------------------------------|------------------------------|
| 1. d) boolean | 2. c) Statement outside if block | 3. a) Age is greater than 18 |
| 4. a) If-else | 5. c) Ladder if-else | 6. a) 20 is greater than 18 |
| 7. c) if & == | 8. d) Good evening | 9. a) Thursady |
| 10. a) Looking forward to the Weekend | 11. c) Increment/Decrement | 12. c) Sum of 'n' numbers=55 |
| 13. b) Unknown | 14. a) Case Case Default
2 3 Case | 15. a) True |

