

## 28 Jan 2023 Operators and Loops Assignment

Que. 1. What are the Conditional Operators in Java?

Ans. In Java, conditional operators check the condition and decides the desired result on the basis of both conditions.

There are three types of the conditional operator in Java :

- Conditional AND
- Conditional OR
- Ternary Operator

Que. 2. What are the types of operators based on the number of operands?

Ans. Java's operators are classified by their number of operands: A unary operator has one operand, for example unary minus (e.g., -5 ). A binary operator has two operands, examples are multiplication and addition. A ternary operator has three operands; an example is the conditional operator ( ? : ).

Que. 3. What is the use of Switch case in Java programming?

Ans. The switch case in java is used to select one of many code blocks for execution.

Que. 4. What are the priority levels of arithmetic operation in Java?

Ans. First precedence Multiplication/Division/Modulus (Left to Right).

Second precedence Addition/Subtraction (Left to Right).

Que. 5. What are the conditional Statements and use of conditional statements in Java?

Ans. Java has the following conditional statements: Use if to specify a block of code to be executed, if a specified condition is true. Use else to specify a block of code to be executed, if the same condition is false. Use else if to specify a new condition to test, if the first condition is false.

It is used in Java for checking conditions

Que. 6. What is the syntax of if else statement?

Ans. 

```
if(Boolean_expression) {  
    // Executes when the Boolean expression is true  
}  
else {  
    // Executes when the Boolean expression is false  
}
```

Que. 7. What are the three types of iterative statements in java?

Ans. Iteration Statements

- 'while' loop.
- 'do while' loop.
- 'for' loop.

Que. 8. Write the difference between for loop and do-while loop?

Ans. For loop check condition first and then it execute.

Do-while loop execute first then it check condition, so if condition is false then do-while loop execute atleast one time.

Que. 9. Write a program to print numbers from 1 to 10.

Ans. Code :

```
public class Print_1_to_10 {  
    public static void main(String[] args) {  
        for(int i = 1; i<=10; i++) {  
            System.out.print(i);  
        }  
    }  
}
```

Output :

12345678910