

Operators and loops Assignment

Assignment (6)

1. What are the conditional operators in java?

Ans:- There are three types of conditional operator in java :-

- a. Logical AND (&&)
- b. Logical OR (||)
- c. Ternary operator (?:)

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

Ans:- There are six types of operators based on the number of operand:-

- a. Arithmetic operator
- b. Assignment operator
- c. Relational operator
- d. Logical operator
- e. Unary operator
- f. Bitwise operator

3. What is the use of switch case in java programming?

Ans:- If we want to do multiple operations on it based upon what value it is storing. In such cases we have to use switch case statement.

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

Ans:- java applies the operators in arithmetic expressions in a precise sequence determined by the rules of operator precedence, which are generally the same as those followed in algebra:

- a. Multiplication , division and remainder operations are applied first.
- b. Addition and subtraction operations are applied next.

5. What are the conditional statements and use of conditional statements in java?

Ans:- The conditional statements of java is:-

- a. If statement
- b. Else statement
- c. else if statement

Use of conditional statement:-

A conditional statements define conditions that are true or false and then execute based on whether or not the condition is true.

6. What is the syntax of if else statement?

Ans:- The syntax of if else statement is follows:-

```
if (condition)
{
    //statement
}
else
{
    //statement
}
```

7. What are the 3 types of iterative statements in java?

Ans:- The 3 types of iterative statements in java are as follows:-

- a. The while loop
- b. The for loop
- c. The do-while loop

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

Ans:- These are the differences of for loop and do-while loop:-

- a. In for loop statement is executed once the condition is checked. But in do-while loop condition is checked after the statement is executed.
- b. In for loop, for the single statement, bracket is not compulsory but in do-while loop bracket are always compulsory.
- c. For loop is entry controlled loop but do-while is exit controlled loop.

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

Ans:- a program to print numbers from 1 to 10 is given below:-

```
public static void main(String[] args) {
    for (int i = 1; i < 11; i++) {
        System.out.println(i);
    }
}
```