

Operators and Loops

Day-8

Assignment Questions

1). What are the conditional operators in java?

Conditional operator in java is also called ternary operator. A condition followed by a question mark (?), then the expression 1 is executed if the condition is true followed by a colon (:), else the expression 2 will be executed if the condition is false.

E.g. (condition)? a:b ;

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

- Arithmetic Operators.
- Assignment Operators.
- Relational Operators.
- Logical Operators.
- Unary Operators.
- Bitwise Operators.

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

With the help of switch case we can apply many conditions with the use of many cases and whose case condition is satisfied that block of code will be executed.

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

First * , / , % are on the same line and their priority is set on the basis of first come first serve because the operation will perform from left to right

Second + , -

Third increment and decrement operator ++,--

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

Basically if - else come in conditional statement in java and we use it because if a operation is performing and it satisfied the condition then the statement of the program will run otherwise else part of the program will run. And from point of view of if else statements they are of four types

- 1) If statement
- 2) If-else statement
- 3) If -else Ladder
- 4) Nested if -else

6).What is the syntax of if - else statement?

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

7).What are the three iterative statements in java?

- 1).while loop
- 2). Do-while loop
- 3).for loop

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

In for loop all the initialization , condition, and update, part on the single line,but in do-while loop its more like while loop but it always run on the first condition it does not matter it true or false

Syntax-

For (initialization;cond;update)

```
{  
//code  
}
```

Do

```
{  
// code
```

```
}while(cond)
```

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

```
public class loop1  
{  
    public static void main(String[] args)  
    {  
        for (int i=1;i<=10;i++)  
        {  
            System.out.println(i);  
        }  
    }  
}
```