

Operators and Loops

Assignment Questions

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1.what is the conditional operator in java?

When a condition consists of multiple boolean expressions, they are used. Use conditional operators to combine two expressions, such as when we wish to print a number only if it is larger than 2 and less than 5, respectively.

We have 3 types of conditional operators -

- Logical-and Operator(&&)
- Logical-or Operator(||)
- Ternary operator(?:)

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

There are two types of mathematical operators:
Unary and binary.

3 What is the use of switch case in java programing ?

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

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

Parenthesis
postfix
prefix
multiplicative
adjective
relational
Logical

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

The conditional statement is a branch of code that can be executed depending on another condition. In Java, these clauses are called decision or selection statements.

There are three types of Java conditional statements:-

1. If statement

2. If-Else statement
3. If-Else-If Ladder statement
4. Nested If statement
5. Switch statement

6 What is the syntax of if else statement?

```
If (condition) {  
    // block of code to be executed if the condition is true  
} else {  
    // block of code to be executed if the condition is false  
}
```

7.What are the 3 type of iterative statement in java ?

Loop ,while-loop, for-loop are the 3 type of iterative statement in java.

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

Sr. No	For loop	Do while loop
1.	Syntax: For(initialization; condition;updating), { . Statements; }	Syntax: Do { . Statements; } While(condition);

2.	It is known as entry controlled loop	It is known as exit controlled loop.
3.	If the condition is not true first time then control will never enter in a loop	Even if the condition is not true for the first time the control will enter in a loop.
4.	There is no semicolon; after the condition in the syntax of the for loop.	There is semicolon; after the condition in the syntax of the do while loop.
5.	Initialization and updating is the part of the syntax.	Initialization and updating is not the part of the syntax

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

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

}
}
}