Day 8 Assignment (29/01/2023)

Operators and Loops

Ques 1: - What are the conditional operators in Java?
Ans: - There are three types of conditional operators: -
1. Conditional AND
2. Conditional OR
3. Ternery Operator

Ques 2: - What are the types of operators based on the number of operands?
Ans: - Operators in Java can b classified into 5 types:
1. Arithmetic Operators
2. Assignment Operators
3. Relational Operators
4. Logical Operators
5. Unary Operators
6. Bitwise Operators

Ques 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.

Ques 4: - What are the priority levels of arithmetic operation in java?
Ans: - Right to Left

Ques 5: - What are the conditional statements and use of conditional statements in Java?
Ans: - Conditional Statements:
1. Less than: a < b

2. Less than or equal to: a <= b
3. Greater than: a > b
4. Greater than or equal to: a >= b
5. Equal to a == b
6. Not Equal to: a!=b

We use conditional statements to perform different decision.

Ques 6: - What is the syntax of if else statement?
Ans: - Syntax: -

```
If (condition){
// code if condition is true
}
Else{
//Code if condition is false
}
```

Ques 7: - What are the 3 types of iterative statements in java?
Ans: - Iteration Statements:
1. 'While' loop
2. 'Do while' loop
3. 'For' loop

Ques 8: - Write the difference between for loop and do-while loop?
Ans: - The main difference between for loop and the while loop is that for loop is used when the number of iteration is known, whereas execution is done in the while loop until the statement in the program is proved wrong.

Ques 9: - Write a program to print numbers from 1 to n.
Ans: - program to print numbers from 1 to n:

```
Public class main{

Public static void num(Strings []args)
{
      for (int i = 1; i <= n; i++){
            System.out.println(i);
      }
   }
}
```

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