**WHAT ARE CONDITIONAL OPERATOR IN JAVA?**

The conditional operator is also known as the ternary operator. This operator consists of three operands and is used to evaluate Boolean expressions. The goal of the operator is to decide; which value should be assigned to the variable. The operator is written as:

variable x = (expression)? value if true: value if false:

**WHAT ARE THE TYPES OF OPERATORS BASED ON NO. OF OPERANDS?**

the number of operands are:

1. Unary Operators – Require only one operand

2. Binary Operators – Require two operands

3. Ternary Operators – Require three operands

**USE OF SWITCH CASE IN JAVA?**

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

Break keyword: As java reaches a break keyword, the control breaks out of the switch block. The execution of code stops on encountering this keyword, and the case testing inside the block ends as the match is found. A lot of execution time can be saved because it ignores the rest of the code's execution when there is a break.

**WHAT ARE CONDITIONAL STATEMENTS AND USE OF CONDITIONAL STATEMENTS IN JAVA?**

Conditional statements, expressions, or simply conditionals are features of programming languages that tell the computer to execute certain actions, provided certain conditions are met.

Conditional statements are used through the various programming languages to instruct the computer on the decision to make when given some conditions. These decisions are made if and only if the pre-stated conditions are either true or false, depending on the functions the programmer has in mind.

**WHAT IS SYNTAX OF IF ELSE STATEMENTS?**

if (test expression) {

// run code if test expression is true

}

else {

// run code if test expression is false

}

**WHAT ARE THREE TYPES OF ITERATIVE STATEMENTS IN JAVA?**

For loop: Executes a set of statements a fixed number of times.

While loop: Repeats a set of statements while a given condition is true.

Do-while loop: Repeats a set of statements at least once and then continues to repeat as long as a given condition is true.

**WHAT IS DIFFERENCE BETWEEN FOR LOOP AND DO WHILE LOOP?**

The major difference between for loop and while loop is that in the case of for loop the number of iterations is known whereas in the case of the while loop number of iterations is unknown and the statement will run until the condition is proved false.

**WRITE A PROGRAM TO PRINT FROM 1 TO 10?**

public class nitanshu {

public static void main(String[] args)

{

int i;

for (i=1;i<=10;i++)

System.out.println(i);

}

}