1. What are the conditional operators in java?

~> There are 3 types of conditional operators & they are:

1.Logical AND operator(&&)

* This operator executes to true only if all the conditions are true else shows false

Syntax: (condition1 && condition2)

{

statement;

}

2.Logical OR operator(||)

* This operator executes to true in any one of the condition is true else shows false

Syntax: (condition1 || condition2)

{

statement;

}

3.Ternary operator(?:)

* It is the similar version of IF-ELSE statement, If the condition is true then expression-1 is executed else expression2 is executed

Syntax: (condition)?expression-1:expression2;

1. What are the type of operators based on number of operands?

~> Operators in Java based on number of operands are:

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

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

~> Basically a switch case works as same as IF-ELSE statements but switch case is used to reduce the work load of the program and it executes the code faster than the IF-ELSE statement, as it executes the case which the user need’s and stop’s whereas the IF-ELSE statement tests each condition and then provides the output, so a switch case is used in java programming to manage the speed of the work fast.

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

~> The priority levels of arithmetic operation in java is Parentheses, Exponents, Multiplication/Division, Addition/Subtraction.

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

~> There are mainly four conditional statements and they are:

1.IF statement

2.IF-ELSE statement

3.IF-ELSE-IF statement

4.NESTED IF-ELSE statement

5.SWITCH statement

conditional statements are used when there is need to make a choice with conditions.

1. What is the syntax of if else statement?

~> **Syntax**

if(condition)

{

Statement1;

}

else

{

Statement2;

}

1. What are the three types of iterative statements in java?

~> The major three types of iterative/loop statements in java are:

1.for loop

Syntax: for(initialization; condition; update)

{

Statement1;

}

2.while loop

Syntax: while(condition)

{

Body;

}

3.do while loop

Syntax: do

{

Body;

}

while(condition);

1. Write the difference between for loop and do while loop?

~>

| **For loop** | **Do while loop** |
| --- | --- |
| 1.Syntax: for(initialization; condition; update)  {  Statement1;  } | 2.Syntax: do  {  Body;  }  while(condition); |
| 2.It is known as entry controlled loop | 2.It is known as exit controlled loop |
| 3.If the condition is not true first time than control will never enter in a loop | 3.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. | 4.There is semicolon; after the condition in the syntax of the do while loop. |

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

~> public class numbers {

public static void main(String[] arg) {

Int i;

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

{

System.out.println(i);

}

}

}

Output:1

2

3

4

5

6

7

8

9

10