1. What are the conditional operator in java?

**Ans:-** There are three types of conditional operator i) conditional AND (&&), ii) conditional OR(||), iii) ternary operator (?:). It is used in iterative statements or loops and in conditional statement like if else.if we want to execute a block of code if every available condition returns true then we use && operator. If we need to execute a block of code if any condition returns true then we use (||) operator. If we want to use nested if else or simple if else statement in one line then we use ternary operator.

1. What are the types of operator based on the number of operands?

**Ans:-**  unary operator and binary arithmetic operator

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

**Ans:-** switch case is enhanced version of if else statement. Switch case is used to make multi driven program in other words it is use to test a case and match that case.there is also a break keyword which is use to prevent to test other cases after case get matched.

**Syntax of switch:-**

*int* age = 18;

*switch* (age) {

*case* 17:

System.***out***.println("you are kid");

*break*;

*case* 18:

System.***out***.println("you are adult");

*break*;

*case* 60:

System.***out***.println("you are too old");

*break*;

}

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

**Ans:-** \*, / , % priorities are high and +, - priorities are lesser

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

**Ans:-** 1) if specify a block of code to be executed if condition is true

2) else specify to be executed when if condition is not true

3) else if specify a new condition to test if first condition is false.

4) switch case is use to check many condition and to execute a block of

code of condition which gets matched.

1. What are the syntax of if else statement?

**Ans:-** if(condition1){

// block of code to be executed

}

else if(condition 2){

// Block of code to be executed

}

else{

// block code to be executed

}

7) What are the three types of iterative statements in java?

1. While loop
2. For loop
3. Do while loop

8) Difference between for loop and do while loop

| Statement is executed once the condition is checked | Condition check after the statement is executed |
| --- | --- |
| Statement may execute zero time as per the condition | Statement will execute at least once and not basis of condition |
| For single statement bracket is not compulsory | For do while single statement also bracket is compulsory. |
| Initialization may be outside of the loop or in condition box | Initialization may be inside the loop or outside the loop |
| For loop is entry controlled loop | Do while loop is exit controlled loop |

9) write a program to print a number between 1 to 10.

*public class* test {

*public static void* main(String[] args) {

*for*(*int* i=1;i<=10;i++){

System.***out***.println(i);

}

}

}