

Assignment-6

1] What are the conditional operators in Java?

A] The operators which get ^{the code} executed only if a certain condition is satisfied. These operators are called as conditional or logical operators.

They are

And operator ("&&")

OR operator ("||")

NOT operator ("!=")

2] What are the types of operators based on number of operands?

A] Based on ^{number} types of ~~operators~~ operands we have

→ Unary operator → Requires one operand

→ Binary operator → Requires two operands

→ Ternary operator → Requires three operands

3] What is the use of Switch case in Java programming

A] Switch case is a unique type of conditional statement where we present all the possible possibilities and based on the condition the switch case gets executed and gives the output.

Example Switch (~~case~~ Monday)

Input
Code:-

```
Switch Monday: Pri S.O.P("It is monday")  
case break;  
case Tuesday: S.O.P("It's Tuesday")  
break;  
case Saturday: S.O.P("It's weekend")  
break;
```

Output:-
It is monday.

4] What are the priority levels of arithmetic operation in Java?

A] ++ --
++, --, +, -, ~, !
*/%
+-
<, >
&&, ||

Parentesis

[post fix increment or decrement]

[pre fix increment or decrement] (Unary)

[Multiplicative]

[Additive]

[Relational]

[Logical]

5] What are the conditional statements and use of conditional statements in Java?

A] Conditional statements :- The statements which execute the code under it only if the specified condition is met

Use of conditional statements:- With the help of these conditional statements we can give ^{two or more} outputs to a situation or an instance

6] What is the syntax of if else statement?

A] if(condition
{
 code
}
else
{

}

7] What are the three types of iterative statements in Java

A] ~~1] Initialization~~

~~2] Condition check~~

~~3] Incrementation~~

1] for

2] while

3] do-while

Iterative = loop

8] Write the differences between for loop and do while loop?

For loop	do-while loop
→ It is versatile and can be used in any kind of situation	→ can be used only in some cases
→ condition is check will occur from the start of the loop	→ condition check will occur after the loop is used for one time
→ Incrementation is written before the body code	→ Incrementation or decrementation is written after the body code

9] Write a program to print numbers from 1 to 10

A] class Assignmentproblem

{

public static void main(^{args}String[])

{ for(int i=1; i<11; i++) {
System.out.println(i) }

}

}