Q1. What are the Conditional Operators in Java?

Ans. They are used when a condition comprises more than one boolean expression. For instance, if we want to print a number only if it is greater than 2 and less than 5, then we will use conditional operators to combine the 2 expressions. We have 3 types of conditional operators - logical-and, logical-or and ternary operator.

Q2. What are the types of operators based on the number of operands?

Ans:- We have 3 types of conditional operators - logical-and, logical-or and ternary operator.

Q3. What is the use of Switch case in Java programming?

Ans.   it is used when we want the condition to be true iff both the expressions are true

Q4. What are the priority levels of arithmetic operation in Java?

Ans. *,+,-,/,%.

Q5. What are the conditional Statements and use of conditional statements in Java?

Ans. They are used when a condition comprises more than one boolean expression.

Q6. What is the syntax of if else statement?

Ans. If(conditon)

{

Output;

}

Else

 {

Output

}

Q7. What are the 3 types of iterative statements in java?

Ans. While loop,for loop,do-while loop

Q8. Write the difference between for loop and do-while loop?

Ans. For loop checked condition every time but in do_while loop it always true the first condition.

Q8. Write a program to print numbers from 1 to 10.?

Ans. ```java
public class Assingment6 {

    public static void main(String[] args) {
        int n=10;
        for (int i=1; i<n; i++) {
            System.out.println(i);
        }

    }

}
```

```
Output:-
PS D:\desktop\java pw> cd "d:\desktop\java pw\" ; if ($?) { javac Assingment6.java } ; if ($?) { java
Assingment6 }
1
2
3
4
5
6
7
8
9
10
}
```