

## SESSION 1 PROGRAMS

### Program 1

//Java Program to demonstrate the use of if statement.

```
public class IfExample {  
    public static void main(String[] args) {  
        //defining a 'sal' variable  
        int sal=20000;  
        //checking the salary  
        if(sal>10000){  
            System.out.print("Salary is greater than 10000");  
        }  
    }  
}
```

### Program2

//Java Program to demonstrate the use of If else-if ladder.

//It is a program of Commision system based on rate

```
public class IfElseIfExample {  
    public static void main(String[] args) {  
        int rate=7000;  
  
        if(rate <5000){  
            System.out.println("No Commision");  
        }  
        else if(rate >=5000 && rate<6000){  
            System.out.println("10 % Commision ");  
        }  
        else if(rate >=6000 && rate <7000){  
            System.out.println("20 % Commision ");  
        }  
        else if(rate >=7000 && rate <8000){  
            System.out.println("30 % Commision ");  
        }  
        else if(rate >=8000 && rate <9000){
```

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```
    System.out.println("40 % Commision ");
}else if(rate >=9000 && rate <10000){
    System.out.println("40 % Commision ");
}else{
    System.out.println("Invalid!");
}
}
}
```

### Program3

```
//Java Program to demonstrate the example of for loop
//which prints table of 1
public class ForExample {
public static void main(String[] args) {
    //Code of Java for loop
    for(int i=1;i<=10;i++){
        System.out.println(i);
    }
}
}
```

### Program4

```
public class NestedForExample {
public static void main(String[] args) {
    //loop of i
    for(int i=1;i<=3;i++){
        //loop of j
        for(int j=1;j<=3;j++){
            System.out.println(i+ " " +j);
        }
    }
}
```

## Program5

```
public class PyramidExample {  
    public static void main(String[] args) {  
        for(int i=1;i<=5;i++){  
            for(int j=1;j<=i;j++){  
                System.out.print("* ");  
            }  
            System.out.println();//new line  
        }  
    }  
}
```

## Program6

```
public class SwitchExample {  
    public static void main(String[] args) {  
        //Declaring a variable for switch expression  
        int value=2;  
        //Switch expression  
        switch(value){  
            //Case statements  
            case 1: System.out.println("10");  
            break;  
            case 2: System.out.println("20");  
            break;  
            case 3: System.out.println("30");  
            break;  
            //Default case statement  
            default: System.out.println("Not in 1, 2 or 3");  
        }  
    }  
}
```

## Program7

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

## SESSION 1 ASSIGNMENTS

1. Write a Program to check if the student has passed/failed .Below 40% marks fail, above this pass . Use if-else loop
2. Write a Program to print the Day of the week . If day=1 ,print Sunday if day=2 print Monday & so on upto 7 days . Use switch-case loop
3. Write a program to print the sum for values 1 to 10 . Use for loop
4. Write a program to print "Hello" infinite times . Use while loop.