

Java Test 2

Q1: Write a program using if else ladder statement to find whether given number is odd or even.

A1:

```
import java.util.*;
class OddEven
{
    public static void main()
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("\n Enter a Number : ");
        int num=sc.nextInt();
        if(num%2==0)
            System.out.println("\n" + num + "is a Even number. ");
        else
            System.out.println("\n" + num + "is a Odd number. ");
    }
}
```

Q2: Write a program; get the input marks from the user through keyboard check the following condition.

If marks < 40	-	fail
Between 41 to 50	-	good
Between 51 to 75	-	very good
Between 76 to 100	-	Excellent

And print the status through the use of if-else ladder.

A2:

```
import java.util.*;
class Result
{
    public static void main()
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("\n Enter a marks (1 to 100) : ");
        int m=sc.nextInt();
        String s="";
        if(m<40) s="Fail";
        else if(m<=50) s="good";
        else if(m<=75) s="very good";
        else if(m<100) s="Excellent";
        else s="Wrong Input";
        System.out.println("\n marks " + m + " status is " + s);
    }
}
```

Q3: Write a program to get the month number from the user (1...12). Print the name of month, if input is not in 1 to 12 then print **"Hay! That's not a valid input month. "** .

A3:

```
import java.util.*;
class MonthName
{
    public static void main()
    {
        Scanner sc= new Scanner(System.in);
        System.out.println("\n Enter a Month Number (1 to 12): ");
        int m=sc.nextInt();
        String s= "";
        switch(m)
        {
            case 1: s= "January"; break;
            case 2: s= "February"; break;
            case 3: s= "March"; break;
            case 4: s= "April"; break;
            case 5: s= "May"; break;
            case 6: s= "June"; break;
            case 7: s= "July"; break;
            case 8: s= "August"; break;
            case 9: s= "September"; break;
            case 10: s= "October"; break;
            case 11: s= "November"; break;
            case 12: s= "December"; break;
            default: s= "Hay! That's not a valid input month.";
        }
        System.out.println(s);
    }
}
```

Q4: Write a program to sum product of 13 between 10 to 100 .

A4:

```
class Sum
{
    public static void main()
    {
        int sum=0;
        for (int i=10; i<=100; i++)
        {
            If (I % 13==0) s+=i;
        }
        System.out.println("\n Sum = "+sum);
    }
}
```

Q5: write a program to display the following output:

```
1
1 0
1 0 1
1 0 1 0
1 0 1 0 1
```

A5:

```
class Pattern1
```

```
{
    public static void main()
    {
        System.out.println("\n Output : ");
        for (int i=1; i<=5; i++)
        {
            System.out.println("");
            for (int j=1; j<=i; j++)
            {
                System.out.println((j%2)+" ");
            }
        }
    }
}
```

PC Classes