Assignment - 1

1)

Write a java program to get a number from the user and print whether it is positive or negative.

```java
import java.util.Scanner;

public class FirstProgarm{
    public static void main(String[] args) {
        GetVal g1 = new GetVal();
        g1.print();
    }
}
class GetVal{
    int a;
    Scanner sc = new Scanner(System.in);
    void print()
    {
        System.out.println("Enter Number:");
        a = sc.nextInt();

        if (a >= 0 )
        {
          System.out.println("Number is Postive:");
        }
        else
        {
            System.out.println("Number is Negative:");
        }
    }
}
```

2)

Write a program to find the maximum number from the given 3 numbers.

```java
import java.util.Scanner;

public class Second {
    public static void main(String[] args) {
        MaxNumber m1 = new MaxNumber();
        m1.print();
    }
}

class MaxNumber{
    int a,b,c;
    Scanner sc = new Scanner(System.in);
    void print()
    {
        System.out.println("Enter Three Number:");
        System.out.println("A:");
        a = sc.nextInt();
        System.out.println("B:");
        b = sc.nextInt();
        System.out.println("C:");
        c = sc.nextInt();

        if(a > b && a > c)
        {
            System.out.println(" A is Big");
        }

        else if( b > a  && b > c)
```

```
        {
            System.out.println("B is Big");
        }
        else
        {
            System.out.println("C is Big");
        }
    }
}
```

3)

The marks obtained by a student in 5 different subjects are input through the keyboard.

The Students gets a division as per the following rules:

 • Percentage above or equal to 60-first division

• Percentage between 50 to 59-second division

 • Percentage between 40 to 49-third division

 • Percentage less than 40-fail Write a program to calculate the division obtained by the student.

```java
import java.util.Scanner;

public class Third {
    public static void main(String[] args) {
        Mark m1 = new Mark();
        m1.get();
    }
}
class Mark{
    float m;
    Scanner sc = new Scanner(System.in);
    void get()
    {
        int m1,m2,m3,m4,m5;
        System.out.println("Enter Marks");
        m1 = sc.nextInt();
        m2 = sc.nextInt();
        m3 = sc.nextInt();
        m4 = sc.nextInt();
        m5 = sc.nextInt();
```

```java
        m = (m1+m2+m3+m4+m5) / (float)(5);

        print();

    }


    void print()

    {

        if(m >= 60)

        {

            System.out.println("First Divison"+m);

        }

        else if(m >= 50 && m <= 59 )

        {

            System.out.println("Second Class"+m);

        }

        else if(m >=40 && m <=49)

        {

            System.out.println("Third Division"+m);

        }

        else{

        System.out.println("Fail"+m);

        }


    }

}
```

4)

Write a java program that takes a number from the user and displays the name of the weekday accordingly (For example if the user enters 1 program should return Monday).

```java
import java.util.Scanner;


public class Days {
    public static void main(String[] args) {
        day d1 = new day();
        d1.print();
    }
}


class day{
    int d;
    String daysc;
    Scanner sc = new Scanner(System.in);
    void print()
    {
        System.out.println("Enter Number Between 1 To 7");
        d = sc.nextInt();
        display();
    }

    void display()
    {
        switch (d) {
            case 1:
                daysc = "Monday";
                System.out.println(daysc);
                break;
```

```java
        case 2:
            daysc = "Tuesday";
            System.out.println(daysc);
            break;
        case 3:
            daysc = "wednesday";
            System.out.println(daysc);
            break;
        case 4:
            daysc = "Thursday";
            System.out.println(daysc);
            break;
        case 5:
            daysc = "Friday";
            System.out.println(daysc);
            break;
        case 6:
            daysc = "Saturday";
            System.out.println(daysc);
            break;
        case 7:
            daysc = "Sunday";
            System.out.println(daysc);
            break;
        }
    }
}
```