1.Write a program to read the value of an integer m and display the value of n is 1 when m is larger than 0, 0 when m is 0 and -1 when m is less than 0.
 Test Data : -5
Expected Output : The value of n = -1

```java
import java.util.*;
public class Main
{
        public static void main(String[] args) {
                Scanner sc = new Scanner(System.in);
                int m=sc.nextInt();
                int n;
                if(m>0){
                    n=1;
                }
                else if(m==0) n=0;
                else n=-1;
                System.out.println(n);
        }
}
```

2.Write a program to read temperature in centigrade and display a suitable message according to the temperature state below:
 Temp < 0 then Freezing weather
Temp 0-10 then Very Cold weather
Temp 10-20 then Cold weather
Temp 20-30 then Normal in Temp
Temp 30-40 then Its Hot
Temp >=40 then Its Very Hot
 Test Data : 42
Expected Output : Its very hot.
```java
import java.util.*;
public class Main
{
        public static void main(String[] args) {
                        Scanner sc = new Scanner(System.in);
                        int t=sc.nextInt();
                        if(t<0) System.out.println("Freezing weather");
                        else if(t>=0 && t<10) System.out.println("very Cold weather");
                        else if(t>=10 && t<20) System.out.println(" Cold weather");
                        else if(t>=20 && t<30) System.out.println("Normal in temp");
```

```
                else if(t>=30 && t<40) System.out.println("Its hot");
                else if(t>=40) System.out.println("Hot");
        }
}
```

3.. Write a program for reading any Month Number and displaying the Month name as a word.
 Test Data : 4
 Expected Output : April

```
import java.util.*;
public class Main
{
        public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
                int n = sc.nextInt();
                switch(n){
                  case 1:
                      System.out.println("Jan");break;
                  case 2:
                      System.out.println("Feb");break;
                  case 3:
                      System.out.println("MARCH");break;
                  case 4:
                      System.out.println("April");break;
                  case 5:
                      System.out.println("MAy");break;
                  case 6:
                      System.out.println("june");break;
                  case 7:
                      System.out.println("july");break;
                  case 8:
                      System.out.println("august");break;
                  case 9:
                      System.out.println("september");break;
                  case 10:
                      System.out.println("october");break;
                      case 11:
                      System.out.println("november");break;
                      case 12:
                      System.out.println("december");break;
                  default:
                  System.out.println("GIVE FROM 1 to 12 ");
```

```
                    }
            }
}
```

4.Write a program in which is a Menu-Driven Program to perform a simple calculation.
Test Data : 10 2 3
Expected Output : The Multiplication of 10 and 2 is: 20

```java
import java.util.*;
public class Main
{
        public static void main(String[] args) {
                Scanner scanner = new Scanner(System.in);

        while (true) {
            System.out.println("Menu:");
            System.out.println("1. Addition");
            System.out.println("2. Subtraction");
            System.out.println("3. Multiplication");
            System.out.println("4. Division");
            System.out.println("5. Exit");

            System.out.print("Enter your choice: ");
            int choice = scanner.nextInt();
             System.out.print("Enter a: ");
            int a = scanner.nextInt();
             System.out.print("Enter b: ");
            int b = scanner.nextInt();

            switch (choice) {

                case 1:

                    System.out.println("Addition of "+a+"+"+b +"="+(a+b) );
                    break;
                case 2:
                    System.out.println("Subtraction of "+a+"+"+b +"="+(a-b) );
                    break;
                case 3:
                    System.out.println("Multiplication of "+a+"+"+b +"="+(a*b) );
                    break;
                case 4:
                    System.out.println("Division of "+a+"+"+b +"="+(a/b) );
```

```
                break;
            case 5:
                System.out.println("Exiting");System.exit(0);

            default:
                System.out.println("Invalid choice!  enter a number between 1 and 4.");
        }
    }}
}
```

5..Write a program to read any digit and display it in the word.
Test Data : 4
Expected Output : Four Solution:

```
import java.util.*;
public class Main
{
        public static void main(String[] args) {
                Scanner sc = new Scanner(System.in);
                int n = sc.nextInt();
                switch(n){
                   case 1:
                      System.out.println("one");break;
                   case 2:
                      System.out.println("two");break;
                   case 3:
                      System.out.println("three");break;
                   case 4:
                      System.out.println("four");break;
                   case 5:
                      System.out.println("five");break;
                   case 6:
                      System.out.println("six");break;
                   case 7:
                      System.out.println("seven");break;
                   case 8:
                      System.out.println("eight");break;
                   case 9:
                      System.out.println("nine");break;
                   default:
                   System.out.println("GIVE FROM 1 to 10 ");

                }
        }
```

}