

## NATURAL NUMBERS

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

## SUM OF NUMBERS

```
import java.util.Scanner;
public class Main

{
    public static void main(String[] args)
    {
        Scanner a = new Scanner(System.in);
        System.out.println("Enter the sum of number");
        int num = a.nextInt();
        int sum=0;
        for(int i=1;i<=num;i++)
        {
            sum=sum+i;
        }
        System.out.println("the sum of" +num+ "is" +sum);
        a.close();
    }
}
```

## MARKS WITH GRADE(IF ELSE)

```
import java.util.Scanner;
public class Main
{
    public static void main (String[] args)
    {
        Scanner a = new Scanner(System.in);
        System.out.println("Enter the MARK");
        int num=a.nextInt();
        if(num>=0 && num<=34)
        {
            System.out.println("FAIL");
        }
        else if(num>34 && num<=54)
        {
            System.out.println("DIV2");
        }
        else if(num>54 && num<=74)
        {
            System.out.println("DIV1");
        }
        else if(num>74 && num<=100)
        {
            System.out.println("HONOUR");
        }
        else
        {
            System.out.println("invalid mark");
        }
    }
}
```

## MULTIPLICATION OF GIVEN NUMBER

```
import java.util.Scanner;
public class Main
{
    public static void main(String[] args)
    {
        Scanner a=new Scanner(System.in);
        System.out.println("Enter the number for multiplication table");
        int num=a.nextInt();
        for(int i=1;i<=10;i++)
        {
            System.out.println(num + "*" + i + "=" +(num*i));
        }
    }
}
```

## COUNT THE NUMBER OF DIGITS

```
import java.util.Scanner;
public class Main
{
    public static void main (String[] args)
    {
        Scanner a = new Scanner(System.in);
        System.out.println("Enter the number");
        int num=a.nextInt();
        int count=0;
        while(num!=0)
        {
            num=num/10;
            ++count;
        }
        System.out.println("The total digits are " +count);
        a.close();
    }
}
```

## PRIME NUMBER OR NOT

```
import java.util.Scanner;
public class Main
{
    public static void main (String[] args)
    {
        Scanner a = new Scanner(System.in);
        System.out.println("Enter the number");
        int num=a.nextInt();
        for(int i=2;i<=num;i++)
        {
            if(num%i==0)
            {
                System.out.println(+num+ " is not a prime");
                break;
            }
            else
            {
                System.out.println(+num+ " is a prime");
                break;
            }
        }
        a.close();
    }
}
```