Run Save

```java
import java.util.*;
class R192011120{
  public static void main(String[] args){
    int i,j,rows;
    Scanner input =new Scanner(System.in);
    System.out.println("Enter no of rows: ");
    rows=input.nextInt();
    for (i=1;i<=rows;i++)
    {
    for(j=1;j<=i;j++)
    {
    System.out.print(i+"");
    }
    System.out.println();
    }
  }
}

```

```
5
```

```
Enter no of rows:
1
22
333
4444
55555
```

Run Save

```java
import java.util.*;
class R192011120{
  public static void main (String[] args){
    Scanner input=new Scanner(System.in);
    int n=input.nextInt();
    int factors=0;
    for (int i=1;i<n;i++)
    {
      if (n%i==0)
        factors=factors+i;
    }if(n==factors)
      System.out.print("It is a perfect number");
    else
      System.out.print("not a perfect number");
    }
  }

```

```
6
```

```
It is a perfect number
```

Run Save

```java
class R192011120{
  public static void main(String[] args){
    String s1="MADAM";
      String s2="";
    int len=s1.length();
    for (int i=len-1;i>=0;i--)
    {
      s2=s2+s1.charAt(i);
    }
    if(s1.equals(s2))
      System.out.print("Palindrome");
    else
      System.out.print("Not Palindrome");
    }
  }

```

Your INPUT go's here! Give only values. do not give like a=10

Palindrome

Run Save

```java
import java.util.*;
class R192011120{
  public static void main(String[] args){
    Scanner sc=new Scanner(System.in);
    System.out.println("Enter the radius of sphere;");
    double r=sc.nextDouble();
    double volume=(4*22*r*r*r)/(3*7);
    System.out.println("Volume is:"+volume);
  }
}
```

```
5
```

```
Enter the radius of sphere;
Volume is:523.8095238095239
```

Run Save

```java
import java.util.*;
class R192011120{
  public static void main(String[] args){
    Scanner input=new Scanner (System.in);
    int n=input.nextInt();
    int num1=n;
    int arm=0;
    while(num1!=0)
    {
      int rem=num1%10;
      arm=arm+(rem*rem*rem);
      num1=num1/10;
    }
    if (n==arm)
      System.out.print("armstrong number");
    else
      System.out.print("Not Armstrong");
    }
  }

```

```
153
```

```
armstrong number
```

```java
import java.util.*;
class R192011120{
  public static void main (String[] args){
    int r;
    double pi=3.14,area;
    Scanner sc =new Scanner(System.in);
    System.out.println("Enter radius of circle:");
    r=sc.nextInt();
    area=pi*r*r;
    System.out.println("Area of circle:"+area);
  }
}
```

```
5
```

```
Enter radius of circle:
Area of circle:78.5
```

Run Save

```java
class R192011120{
  public static void main(String[] args){
    String binarystring="1010";
    System.out.println(Integer.parseInt(binarystring,2));
  }
}
```

```
Your INPUT go's here! Give only values. do not give like a=10
```

```
10
```

Run Save

```java
class R192011120{
  public static void main(String[] args){
    System.out.println(Integer.toBinaryString(10));
  }
}
```

```
Your INPUT go's here! Give only values. do not give like a=10
```

```
1010
```

Run Save

```java
class R192011120{
  public static void main(String[] args){
    int num=6;
    long fact=mulnumbers(num);
    System.out.println("factorial of "+ num+ "="+fact);
  }
  public static long mulnumbers(int num)
  {
    if (num>=1)
      return num* mulnumbers(num-1);
    else
      return 1;
}
}

```

```
Your INPUT go's here! Give only values. do not give like a=10
```

```
factorial of 6=720
```

Run Save

```java
import java.util.*;
public class R192011120{
  public static void main(String[] args){
    Scanner input=new Scanner(System.in);
    int n=input.nextInt();
    for (int i=1;i<=10;i++)
    {
      System.out.println(n+"*"+i+"="+(i*n));
    }
  }
}
```

```
5
```

```
5*1=5
5*2=10
5*3=15
5*4=20
5*5=25
5*6=30
5*7=35
5*8=40
5*9=45
5*10=50
```

```java
class R192011120{
  public static void main(String [] args){
    int n=50, n1=0,n2=1;
    System.out.println("Fibonacci series upto"+ n+ ": ");
    while(n1<=n){
      System.out.print(n1+ ",");
      int next=n1+n2;
      n1=n2;
      n2=next;
    }
  }
}
```

```
Your INPUT go's here! Give only values. do not give like a=10
```

```
Fibonacci series upto50:
0,1,1,2,3,5,8,13,21,34,
```

```java
class R192011120{
  public static void main(String [] args){
    int n=50, n1=0,n2=1;
    System.out.println("Fibonacci series upto"+ n+ ": ");
    while(n1<=n){
      System.out.print(n1+ ",");
      int next=n1+n2;
      n1=n2;
      n2=next;
    }
  }
}
```

```
Your INPUT go's here! Give only values. do not give like a=10
```

```
Fibonacci series upto50:
0,1,1,2,3,5,8,13,21,34,
```

Run Save

```java
import java.util.*;
class R192011120{
  public static void main(String[] args){
    Scanner input=new Scanner (System.in);
    int n=input.nextInt();
    int fact=1;
    for(int i=1;i<=n;i++)
    {
      fact=fact*i;
    }
    System.out.print(fact);
  }
    }

```

```
7
```

```
5040
```

Run Save

```java
class R192011120{
  public static void main(String [] args){
    int n=5;
    for (int i=0;i<n;i++)
    {
      for (int j=0;j<=i;j++)
      {
        System.out.print("* ");
      }
      System.out.println();
    }
  }
}
```

```
Your INPUT go's here! Give only values. do not
give like a=10
```

```
*
* *
* * *
* * * *
* * * * *
```

Run Save

```java
class R192011120{
  public static void main(String[] args){
    int a=23,b=44,c=76;
    if (a>=b && a>=c)
      System.out.println(a+"is the largest number");
    else if (b>=a &&b>=c)
      System.out.println(b+"is the largest number");
    else
      System.out.println(c+"is the largest number");
  }
}
```

Your INPUT go's here! Give only values. do not give like a=10

```
76is the largest number
```