1. Area Of Circle Java Program

```
public class First{
  public static void main(String[] args) {
    Scanner in=new Scanner(System.in);
    System.out.println("Enter the radius: -");
    int r=in.nextInt();
    double a=Math.PI*r*r;
    System.out.println(a);
  }
}
```

2. Area Of Triangle

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the base: -");
    int b=i.nextInt();
    System.out.println("Enter the height: -");
    int h=i.nextInt();
    float a=(1.0f/2)*b*h;
    System.out.println(a);
    i.close();
  }
}
```

3. Area Of Rectangle Program

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the length: -");
    int l=i.nextInt();
    System.out.println("Enter the breadth: -");
    int b=i.nextInt();
    System.out.println(l*b);
    i.close();
  }
}
```

4. Area Of Isosceles Triangle

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the first side: ");
    int s1=i.nextInt();
    System.out.println("Enter the second side: ");
    int s2=i.nextInt();
    System.out.println("Enter the third side: ");
    int s3=i.nextInt();
```

```
    float s=(s1+s2+s3)/2;
    double a=Math.pow((s*(s-s1)*(s-s2)*(s-s3)),(1.0f/2));
    System.out.println("Area of isosceles triangle: "+a);
    i.close();
  }
}
```

5. Area Of Parallelogram

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the base: ");
    int b=i.nextInt();
    System.out.println("Enter the height: ");
    int h=i.nextInt();
    double a=b*h;
    System.out.println("Area of parallelogram: "+a);
    i.close();
  }
}
```

6. Area Of Rhombus

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the 1st diagonal length: ");
    int d1=i.nextInt();
    System.out.println("Enter the 2nd diagonal length: ");
    int d2=i.nextInt();
    double a=(1.0f/2)*d1*d2;
    System.out.println("Area of Rhombus: "+a);
    i.close();
  }
}
```

7. Area Of Equilateral Triangle

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the value of one side: ");
    int s1=i.nextInt();
    double a=(Math.pow(3,(1.0f/2))*Math.pow(s1,2))/4;
    System.out.println("Area of equilateral triangle: "+a);
    i.close();
  }
}
```

8. Perimeter Of Circle

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the value of radius: ");
    float r=i.nextFloat();
    double a=2*Math.PI*r;
    System.out.println("Perimeter of circle: "+a);
    i.close();
  }
}
```

9. Perimeter Of Equilateral Triangle

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the length of one side: ");
    int side=i.nextInt();
    double a=3*side;
    System.out.println("Perimeter of Equilateral Triangle: "+a);
    i.close();
  }
}
```

10. Perimeter Of Parallelogram

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the 1st side length: ");
    int s1=i.nextInt();
    System.out.println("Enter the 2nd side length: ");
    int s2=i.nextInt();
    double a=2*(s1+s2);
    System.out.println("Perimeter of parallelogram: "+a);
    i.close();
  }
}
```

11. Perimeter Of Rectangle

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the length: ");
    int l=i.nextInt();
    System.out.println("Enter the breadth: ");
    int b=i.nextInt();
    double a=2*(l+b);
    System.out.println("Perimeter of Rectangle: "+a);
```

```
    i.close();
  }
}
```

12. Perimeter Of Square

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the value of one side of the square: ");
    int side=i.nextInt();
    double a=4*side;
    System.out.println("Perimeter of square: "+a);
    i.close();
  }
}
```

13. Perimeter Of Rhombus

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the side length: ");
    int side=i.nextInt();
    double a=4*side;
    System.out.println("Perimeter of Rhombus: "+a);
    i.close();
  }
}
```

14. Volume Of Cone Java Program

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the Radius: ");
    int r=i.nextInt();
    System.out.println("Enter the Height: ");
    int h=i.nextInt();
    double a=(1.0f/3)*Math.PI*Math.pow(r,2)*h;
    System.out.println("Volume of Pyramid: "+a);
    i.close();
  }
}
```

15. Volume Of Prism

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the Base Area: ");
```

```
    int B=i.nextInt();
    System.out.println("Enter the Height: ");
    int h=i.nextInt();
    double a=B*h;
    System.out.println("Volume of Prism: "+a);
    i.close();
  }
}
```

16. Volume Of Cylinder

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the Radius: ");
    int r=i.nextInt();
    System.out.println("Enter the Height: ");
    int h=i.nextInt();
    double a=Math.PI*Math.pow(r,2)*h;
    System.out.println("Volume of Prism: "+a);
    i.close();
  }
}
```

17. Volume Of Sphere

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the radius: ");
    int r=i.nextInt();
    double a=(4.0f/3)*Math.PI*Math.pow(r,3);
    System.out.println("Volume of Sphere: "+a);
    i.close();
  }
}
```

18. Volume Of Pyramid

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the Base Area: ");
    int B=i.nextInt();
    System.out.println("Enter the Height: ");
    int h=i.nextInt();
    double a=(1.0f/3)*B*h;
    System.out.println("Volume of Pyramid: "+a);
    i.close();
  }
}
```

19. Curved Surface Area of Cylinder

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the Radius: ");
    int r=i.nextInt();
    System.out.println("Enter the Height: ");
    int h=i.nextInt();
    double a=2*Math.PI*r*h;
    System.out.println("Curved Surface Area of Cylinder: "+a);
    i.close();
  }
}
```

20. Total Surface Area of Cube

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the value of one Side: ");
    int side=i.nextInt();
    double a=6*Math.pow(side, 2);
    System.out.println("Total Surface Area of Cube: "+a);
    i.close();
  }
}
```

21. Fibonacci Series in Java Programs

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    int a=0;
    int b=1;
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the Fibonacci term: -");
    int n=i.nextInt();
    while(n>0)
    {
       System.out.print(a+" ");
       int sum=a+b;
       a=b;
       b=sum;
       n--;
    }
    i.close();
  }
}
```

22. Subtract the Product and Sum of Digits of an Integer

```
class Solution {
    public int subtractProductAndSum(int n) {
        int sum=0;
        int p=1;
        while(n>0)
        {
            int r=n%10;
            n=n/10;
            sum+=r;
            p*=r;
        }
        return p-sum;
    }
}
```

23. Input a number and print all the factors of that number (use loops).

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the number: -");
    int n=i.nextInt();
    int a=1;
    while(a<=n)
    {
        if(n%a==0)
        {
            System.out.print(a+" ");
        }
        a++;
    }
    i.close();
  }
}
```

24. Take integer inputs till the user enters 0 and print the sum of all numbers (HINT: while loop)

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the number: ");
    int num=i.nextInt();
    int sum=0;
    while(num!=0)
    {
        sum+=num;
        System.out.print("Enter next number: ");
        num=i.nextInt();
    }
    System.out.println(sum);
    i.close();
```

```
  }
}
```

25. Take integer inputs till the user enters 0 and print the largest number from all.

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the number: ");
    int num=i.nextInt();
    int gt=Integer.MIN_VALUE;
    while(num!=0)
    {
       if(gt<num)
       {
          gt=num;
       }
       System.out.print("Enter next number: ");
       num=i.nextInt();
    }
    System.out.println("Largest value: "+gt);
    i.close();
  }
}
```

26. Addition Of Two Numbers

```
import java.util.*;
public class First{
  public static void main(String[] args) {
    Scanner i=new Scanner(System.in);
    System.out.println("Enter the first number: ");
    int f=i.nextInt();
    System.out.println("Enter the second number: ");
    int s=i.nextInt();
    System.out.println("Sum: "+(f+s));
    i.close();
  }
}
```