# 1. Find the Area of a Circle

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

Output

```
Enter your value of radious:
12
Area of circle is:452.15999999999997
```

# 1. Find the Perimeter of a Circle

```
import java.util.Scanner;
class Perimeterofcircle
{
	public static void main(String args[])
	{
		Scanner s = new Scanner(System.in);
		int r;
		double pi =  3.14, perimeter;
	System.out.println("Enter Your value of r:");
		r = s.nextInt();
		perimeter = 2 * pi * r;
		System.out.println("Perimeter of circle is:" +perimeter);
	}
}
```

Output

```
Enter Your value of r:
5
Perimeter of circle is:31.400000000000002
```

# 2. Find the Perimeter of a Rectangle

```
import java.util.*;
class Perimeterofrectangle
{
	public static void main(String args[])
	{
```

```
                Scanner s = new Scanner(System.in);
                int l, b;
                double rectangle;
                System.out.println("Enter your value of length:");
                l = s.nextInt();
                System.out.println("Enter Your value of breadth:");
                b = s.nextInt();
                rectangle = 2*(l+b);
                System.out.println("Perimeter of rectangle:" +rectangle);
        }
}
                Output
Enter your value of length:
5
Enter Your value of breadth:
6
Perimeter of rectangle:22.0
```

# 3. Find the Perimeter of a Triangle

```
import java.util.Scanner;
class Perimeteroftriangle
{
        public static void main(String args[])
        {
                Scanner s = new Scanner(System.in);
                int l1, l2, l3;
                int triangle;
                System.out.println("Enter your first side of length:");
                l1 = s.nextInt();
                System.out.println("Enter your second side of length:");
                l2 = s.nextInt();
                System.out.println("Enter your third side of length:");
                l3 = s.nextInt();
                triangle = l1 + l2 + l3;
                System.out.println("Perimeter of triangle is:" +triangle);
        }
}
          Output
Enter your first side of length:
4
Enter your second side of length:
5
Enter your third side of length:
6
Perimeter of triangle is:15
```

# 4. Find the Area of a Rectangle

```
import java.util.Scanner;
class Areaofrectangle1
```

```
{
	public static void main(String args[])
	{
		Scanner s = new Scanner(System.in);
		int l, w, area;
		System.out.println("Enter your length value:");
		l = s.nextInt();
		System.out.println("Enter your width value:");
		w = s.nextInt();
		area = l*w;
		System.out.println("Area of ractangle is:" +area);
	}
}
```

Output

```
Enter your length value:
4
Enter your width value:
5
Area of ractangle is:20
```

# 5. Find the Area of a Triangle

```
import java.util.*;
class Areaoftriangle
{
	public static void main(String args[])
	{
		Scanner s = new Scanner(System.in);
		int b, h;
		int area;
		System.out.println("Enter your base value:");
		b = s.nextInt();
		System.out.println("Enter your height value:");
		h = s.nextInt();
		area =  b * h * 1/2;
		System.out.println("Area of triangle is:" +area);
	}
}
```

Output

```
Enter your base value:
6
Enter your height value:
8
Area of triangle is:24
```

# 6. Find the Area of a Square

```
import java.util.Scanner;
class Areaofsquare
{
	public static void main(String args[])
	{
```

```
                Scanner s = new Scanner(System.in);
                int a, area;
                System.out.println("Enter your side:");
                a = s.nextInt();
                area = a*a;
                System.out.println("Area of square is:" +area);
        }
}
        Output
Enter your side:
4
Area of square is:16
```

# 7. Find the Fibonacci Series of number

```
class Fibonacci
{
        public static void main(String args[])
        {

                int n1=0, n2=1, n3, i, count=10;
                System.out.print(n1+" "+n2);

                for(i=2; i<count; ++i)
                {
                        n3 = n1+n2;
                        System.out.print(" " +n3);
                        n1 = n2;
                        n2 = n3;
                }
        }
}
                        Output
    0    1 1 2 3 5 8 13 21 34
```

# 8. Find the Right Triangle of Pattern

```
class Righttrianglepatter
{
        public static void main(String args[])
        {
                int i, j, row=6;
                for (i=0; i<row; i++)
                {
                        for (j=0; j<=i; j++)
                        {
                                System.out.print("* ");
                        }
                        System.out.println();
                }
        }
}
```

Output

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

# 10. Find the Factorial of a Number

```
class Factorial
{
	public static void main(String args[])
	{
		int i, fact = 1;
		int number = 5;
		for(i=1; i<=number; i++)
		{
			fact=fact*i;
		}
		System.out.println("Factorial of " +number+ " is: " +fact);
	}
}
```

Output

```
Factorial of 5 is: 120
```