

DRIVER:

```

public class RegularPolygonDemo
{
    public static void main( String[] args )
    {
        System.out.print("Enter the side length...");
        double length = SavitchIn.readLineDouble();
        System.out.printf("\n   " + "%-8s", "Name");
        System.out.printf("%-17s", "# of sides");
        System.out.printf("%-20s", "interior angle");
        System.out.printf("%-17s", "perimeter");
        System.out.printf("%-7s", "area");
        System.out.println("\n" + "-----" +
                           "-----");

        for(int k=3; k<11; k++)
        {
            RegularPolygon poly = new RegularPolygon( k, length );
            poly.showData();
        }
    }
}

```

OUTPUT:

Enter the side length...6

Name	# of sides	interior angle	perimeter	area
Triangle	3	60.00	18.00	15.59
Square	4	90.00	24.00	36.00
Pentagon	5	108.00	30.00	61.94
Hexagon	6	120.00	36.00	93.53
Heptagon	7	128.57	42.00	130.82
Octagon	8	135.00	48.00	173.82
Nonagon	9	140.00	54.00	222.55
Decagon	10	144.00	60.00	276.99