

```
import java.util.Scanner;

public class Hw3Ex {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        int option;
        do {
            menu();
            System.out.println("Enter your choice:");
            option=input.nextInt();
            switch(option) {
                case 1:
                    System.out.println("Enter radius:");
                    int radiu=input.nextInt();
                    double a=area(radiu);
                    System.out.printf("Area: %.2f\n", a);
                    break;
                case 2:
                    System.out.println("Enter three numbers:");
                    double x,y,z;
                    x=input.nextDouble();
                    y=input.nextDouble();
                    z=input.nextDouble();
                    System.out.printf("Maximum is: %.2f\n", maximum(x,y,z));

            }
        }while(option!=3);

    }

    static void menu() {
        System.out.println("1. Find area of a circle.");
        System.out.println("2. Find maximum.");
        System.out.println("3. Exit");
    }

    static double area(int radius)
    {
        double a=Math.PI*Math.pow(radius, 2);
        return a;
    }
    static double maximum(double a, double b, double c)
    {
        /*double max=a;
        if(b>max)
            max=b;
        if(c>max)
            max=c;
        return max;*/
        return Math.max(a, Math.max(b, c));
    }

}
```