**import** java.util.Scanner;

**public** **class** DisplayClass {

**public** **static** **void** main(String[] args) {

AreaCalculator ac = **new** AreaCalculator();

**int** a= 0;

**while** (a != 3) {

System.***out***.println("\n");

System.***out***.println("Choose \n (1) Area of Rectangle \n (2) Area of Circle \n (3) Quit");

Scanner kb = **new** Scanner(System.***in***);

**int** option = Integer.*parseInt*(kb.nextLine());

**if** (option == 1) {

System.***out***.println("Enter Length of Rectangle");

**double** length = Double.*parseDouble*(kb.nextLine());

System.***out***.println("Enter Width of Rectangle");

**double** width = Double.*parseDouble*(kb.nextLine());

System.***out***.println("The area of rectangle is: "+ ac.rectArea(length, width));

}

**else** **if** (option == 2) {

System.***out***.println("Enter Length of radius");

**double** radius = Double.*parseDouble*(kb.nextLine());

System.***out***.println("The area of circle is: "+ ac.circArea(radius));

}

**else** **if**(option == 3){

System.***out***.println("The program exited successfully");

**break**;

}

**else** {

System.***out***.println("Error Option Code, please Try again with correct ");

}

}

}

}

**public** **class** AreaCalculator {

**public** **double** rectArea(**double** length,**double** width) {

**double** area = length \* width;

**return** area;

}

**public** **double** circArea(**double** radius) {

**double** area = Math.***PI*** \* (radius \* radius);

**return** area;

}

}