Lab program 4

import java.util.\*;

abstract class Shape {

int l1, l2 ;

Scanner in = new Scanner(System.in);

abstract void printArea();

}

class Rectangle extends Shape {

void printArea() {

System.out.println(" Area of Rectangle");

System.out.print("Enter length and breadth: ");

l1 = in.nextInt();

l2 = in.nextInt();

System.out.println("The area of Rectangle is: " + l1 \* l2);

}

}

class Triangle extends Shape {

void printArea() {

System.out.println("\n Area of Triangle ");

System.out.print("Enter Base And Height: ");

l1 = in.nextInt();

l2 = in.nextInt();

System.out.println("The area of Triangle is: " + (l1 \* l2) / 2);

}

}

class Cricle extends Shape {

void printArea() {

System.out.println("\n Area of Cricle ");

System.out.print("Enter Radius: ");

l1 = in.nextInt();

System.out.println("The area of Cricle is: " + 3.14f \* l1 \* l1);

}

}

public class Abstract{

public static void main(String[] args) {

Rectangle r = new Rectangle();

r.printArea();

Triangle t = new Triangle();

t.printArea();

Cricle c = new Cricle();

c.printArea();

}

}

