Lab sheet 07

1. outcome? Error

why? Because can not inherit class by final class

2.

package com.mycompany.shapeexe;

public class ShapeExe {

public static void main(String[] args) {

Circle c1 = new Circle (7.00f);

c1.calculateArea();

c1.display();

Rectangle r1 = new Rectangle(7,8);

r1.calculateArea();

r1.display();

}

}

package com.mycompany.shapeexe;

abstract class shape {

public abstract void calculateArea();

public void display() {

System.out.println("Area is :");

}

}

package com.mycompany.shapeexe;

class Circle extends shape {

private float r, total;

public Circle (float r) {

this.r = r;

}

@Override

public void calculateArea() {

this.total = (float)((3.14)\*r\*r);

}

@Override

public void display() {

System.out.println("Area is :"+this.total);

}

}

package com.mycompany.shapeexe;

public class Rectangle extends shape {

private int a, b , total;

public Rectangle (int a, int b) {

this.a=a;

this.b = b;

}

@Override

public void calculateArea() {

this.total = this.a\*this.b;

}

@Override

public void display() {

System.out.println("Area is :"+this.total);

}

}