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Computer Science II

Module 1: Assignment 1

**My code:**

**package** mainRec;

**public** **class** Rectangle {

**private** **double** width;

**private** **double** height;

**public** **void** setHeight(**double** h) {

height = h;

}

**public** **void** setWidth(**double** w) {

width = w;

}

**public** **double** getHeight() {

**return** height;

}

**public** **double** getWidth() {

**return** width;

}

**public** **double** getArea() {

**return** width \* height;

}

**public** **double** getPerimeter() {

**return** width + height;

}

}

**package** mainRec;

**public** **class** Main {

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

Rectangle rec = **new** Rectangle();

Rectangle rec2 = **new** Rectangle();

rec.setHeight(40);

rec.setWidth(4);

rec2.setHeight(35.9);

rec2.setWidth(3.5);

System.***out***.println("The height of the first rectangle is " + rec.getHeight());

System.***out***.println("The Width of the first rectangle is " + rec.getWidth());

System.***out***.println("The area of the first rectangle is " + rec.getArea());

System.***out***.println("The perimeter of the first rectangle is " + rec.getPerimeter());

System.***out***.println("---------------------------------------------------------");

System.***out***.println("The height of the second rectangle is " + rec2.getHeight());

System.***out***.println("The width of the second rectangle is " + rec2.getWidth());

System.***out***.println("The area of the second rectangle is " + rec2.getArea());

System.***out***.println("The perimeter of the second rectangle is " + rec2.getPerimeter());

}

}

**My code Output:**

The height of the first rectangle is 40.0

The Width of the first rectangle is 4.0

The area of the first rectangle is 160.0

The perimeter of the first rectangle is 44.0

---------------------------------------------------------

The height of the second rectangle is 35.9

The width of the second rectangle is 3.5

The area of the second rectangle is 125.64999999999999

The perimeter of the second rectangle is 39.4