

Day 4 problem sets

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Question no 1:

Code:

```
import java.util.*;

class Rect {
    double height, width;

    Rect() {
        height = 1;
        width = 1;
    }

    Rect(double h, double w) {
        height = h;
        width = w;
    }

    void dispHW() {
        System.out.println("The height and width of rectangle is:" + height + ","
+ width);
    }

    void getArea() {
        System.out.println("The area of rectangle is: " + height * width);
    }

    void getPerimeter() {
        System.out.println("The Perimeter of rectangle is: " + 2 * (height + width));
    }
}

public class Rectangle {
```

```

public static void main(String[] args) {
    Rect R1 = new Rect();
    R1.dispHW();
    R1.getArea();
    R1.getPerimeter();
    Scanner val = new Scanner(System.in);
    for (int i = 0; i < 2; i++) {
        System.out.println("Enter height and width of rectangle");
        double H = val.nextDouble();
        double W = val.nextDouble();
        Rect R2 = new Rect(H, W);

        // printing area and perimeter
        R2.dispHW();
        R2.getArea();
        R2.getPerimeter();
    }
}
}

```

Output:

```

r\workspaceStorage\c363414633ee34fc008725f5ed612dfd\redhat.j
The height and width of rectange is: 1.0,1.0
The area of rectangle is: 1.0
The Perimeter of rectangle is: 4.0

Enter height and width of rectangle
50 5
The height and width of rectange is: 50.0,5.0
The area of rectangle is: 250.0
The Perimeter of rectangle is: 110.0

Enter height and width of rectangle
45.7 2.5
The height and width of rectange is: 45.7,2.5
The area of rectangle is: 114.25
The Perimeter of rectangle is: 96.4

PS D:\VIT\class room\3rd Sem\JAVA\lab> █

```