

Class Diagram

Assign02
+ width : double
+ length : double
+ setWidth(width : double) : void
+ setLength(length : double) : void
+ getWidth() : double
+ getLength() : double
+ getArea() : double
+ getPerimeter() : double

Source Program

```
import java.util.Scanner;

public class Assign02_1 {

    public double width , length;

    public static void main(String [] args) {

        Assign02_1 object = new Assign02_1();

        Scanner scan = new Scanner(System.in);

        System.out.print("Enter Width Side : ");
        object.width = scan.nextDouble();
        object.setWidth(object.width);

        System.out.print("Enter Length Side : ");
        object.length = scan.nextDouble();
        object.setLength(object.length);

        System.out.println("Area of Rectangle : " + String.format("%.2f",
object.getArea()));
        System.out.println("Perimeter of Rectangle : " +
String.format("%.2f", object.getPerimeter()));
    }
}
```

```

        scan.close();
    }

    public void setWidth(double dataWidth) {
        width = dataWidth;
    }

    public void setLength(double dataLength) {
        length = dataLength;
    }

    public double getWidth() {
        return width;
    }

    public double getLength() {
        return length;
    }

    public double getArea() {
        return width * length;
    }

    public double getPerimeter() {
        return 2 * (width + length);
    }
}

```

Out Put

```

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Palm\Desktop\VsCode\Java\Assign02_6406021620050> & 'C:\Program Files\Java\jdk-16.0.2\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Palm\Desktop\VsCode\Java\Assign02_6406021620050\bin' 'Assign02_1'
Enter Width Side : 50
Enter Length Side : 50
Area of Rectangle : 2500.00
Perimeter of Rectangle : 200.00
PS C:\Users\Palm\Desktop\VsCode\Java\Assign02_6406021620050> █

```