

```
////////// Student //////////
```

```
import Foundation
```

```
let name = "Aaron Anderson"  
let email = "irvingmichael@gmail.com"  
let section = "2015 Summer MW 5:30pm"
```

```
// Done!
```

```
////////// Lab 1 //////////
```

```
struct Rectangle: Printable {
```

```
    var x: Double  
    var y: Double  
    var width: Double  
    var height: Double
```

```
    init() {  
        self.init(x: 0.0, y: 0.0, width: 0.0, height: 0.0)  
    }
```

```
    init(x: Double, y: Double, width: Double, height: Double) {  
        self.x = x  
        self.y = y  
        self.width = width  
        self.height = height  
    }
```

```
    var description: String {  
        return "x: \(x), y: \(y), width: \(width), height: \(height)"  
    }
```

```
    var rect: (Double, Double, Double, Double) {  
        get {  
            return (x, y, width, height)  
        }  
        set {  
            x = newValue.0  
            y = newValue.1  
            width = newValue.2  
            height = newValue.3  
        }  
    }
```

```
}
```

```
//
```

```
////////// Lab 2 //////////
```

```
var rectangle1 = Rectangle()  
rectangle1.x = 100.0  
rectangle1.y = 50.0  
rectangle1.width = 25  
rectangle1.height = 35
```

```
println(rectangle1)
```

```
//  
////////// Lab 3 //////////  
  
var rectangle2 = Rectangle(x: 75, y: 125, width: 50, height: 75)  
  
println(rectangle2)  
  
//  
////////// Lab 4 //////////  
  
var rectangle3 = Rectangle()  
rectangle3.rect = (65,55.5,200,100)  
  
println(rectangle3.rect)  
  
//
```