Task One

Create a class called `Student` as described below:

- **Fields:**
  `name, id, address, cgpa`
- **Methods:**
  ```
  public String getName()
  public void setName(String n)
  public String getID()
  public void setID(String i)
  public String getAddress()
  public void setAddress(String a)
  public double getCGPA()
  public void setCGPA(double c)
  ```

Write a class called `StudentTester` to write a `main()` method:

- ```
  public static void main(String[] args){

  }
  ```
- Inside the `main()` method
    - Create 3 objects/instances of `Student` called `john`, `mike` and `carol`
    - Set their fields to some value using the public methods.
    - Print the information of each `Student` using `System.out.println()`

Task Two

Create a class called `Square` as described below:

- **Fields:**
  height, width
- **Methods:**
  public double getHeight()
  public void setHeight(double h)
  public double getWidth ()
  public void setWidth (double w)
  public double getArea ()

Hint: If I take your class and use it following would be the code and the output.

Code	Output

`double h, w, a;`
`Square s1 = new Square();`
`s1.setHeight(3);`
`s1.setWidth(4);`
`h = s1.getHeight();`
`w = s1.getWidth();`
`a = s1.getArea();`
`System.out.println("Height = "+ h);`
`System.out.println("Width = "+ w);`
`System.out.println("Area = "+ a);`
	`Height = 3.0`
	`Width = 4.0`
	`Area = 12.0`

Task Three

Trace the files given in the trace files folder … as per instructions given in the files.