

**HELP TO START**  
**Income Tax and Investment Calculator**

This document aims to give some initial steps to help you to start the assignment 1. Note that you do not need to follow exactly these steps in the same order. In addition, the suggestions in each step are just one of the several options that you have to implement the assignment. Note as well that these are just a starting point. Each time that you implement a new method, test it before proceeding. It will save you time.

**Step 1.**

Write the first version of CalculatorInterface.java (there is a draft already available to you in Canvas)

**Step2.**

Write the first version of Account.java (there is a draft already available to you in Canvas).

**Step3.**

Test Account class using CalculatorInterface. For example, add the following lines in the method run in the CalculatorInterface class:

```
Scanner console = new Scanner(System.in);
Account testAccount = new Account();
double testRate;
System.out.print("rate? ");
testRate = console.nextDouble();
testAccount.setRate(testRate);
System.out.println("rate = " + testAccount.getRate());
```

Remember to import java.util.\*

Compile and run. If it works, then implement the next set/get methods in Account and try the same test. After testing, delete these lines (or add a comment that it was used for a test). When you complete the assignment, the lines that were included just for testing should be deleted.

When you finish the implementation of all get/set methods in Account, then go to the next step.

**Step4.**

Write the first version of Client.java (there is a draft already available to you in Canvas).

**Step5.**

Test Client in CalculatorInterface.

For example, add the following lines in the method run in the Interface:

```
Client testClient = new Client();
String name;
System.out.print("name? ");
name = console.nextLine();
testClient.setName(name);
System.out.println("type = " + testClient.getName());
```

Compile and run. If it works, then implement the next methods in Client and try the same test.

When you finish the implementation of all get/set methods in Client, then go to the next step.

**Step6.**

Now go to the assignment instructions and implement each functionality. Remember to implement each one, compile, test and when it is all working, go to the next one.

As said above, these steps are just the starting point. Depending on the questions from students, I will add more information in Canvas and send an email to all to let you know. Remember to **use the discussion board to post your questions**, but DO NOT post your code.