

1.00/1.001 Introduction to Computers and Engineering Problem Solving

Fall 2002

Problem Set 0

This “Problem set zero” must be completed by all 1.00 students. It is intended to help get you started with 1.00. Be sure to complete each problem before its due date.

Problem 1. Signup for Tutorial Section (20%)

Due: Day 5, By Evening (no grace period)

Sign up for a mandatory tutorial section via the 1.00 web site. Go to MIT website and follow the link to “Tutorials”. It’s best to choose a partner and sign up together with your partner. If you don’t have a partner, we will assign you a partner in the same section. It takes about 5 minutes to fill out the signup form.

Please note that the tutorial signup website will be taken down exactly at Hour 9 on Day 5, so that we can make the section assignments. If you have not signed up by that time, you will have to talk to a TA to sign up for a section. Keep in mind, however, that many time slots will be full.

Hour #	Day 1	Day 2	Day 3	Day 4	Day 5
1	N/A		N/A	N/A	N/A
2			N/A	N/A	N/A
3		1.00 Lecture	N/A	1.00 Lecture	1.00 Lecture
4			N/A		
5			N/A	N/A	N/A
6			N/A	N/A	N/A
7			N/A	N/A	N/A
8			N/A	N/A	N/A
9	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A
11		N/A	N/A	N/A	N/A
12		N/A	N/A	N/A	N/A
13		N/A	N/A	N/A	N/A

As shown in the table, tutorial sessions will be held on Day 1 and Day 5 for 1 hour. You will be notified via email on the evening of your section assignment.

Problem 2. Read Initial Course Material (20%)

Due: Day 8, at your first Tutorial Session

Several documents were distributed on the first day of lecture. (You can also find them on the 1.00 website.) In this problem, you are asked to read through two of these document and sign below indicating that you have read and understood the documents. Do not sign unless you have actually read these documents. Ask your TA if you don't understand either document. Turn in this page to your TA at your first tutorial session.

Printed name:

TA:

I have read and understood the 1.00 document "Guidelines on Academic Policy"

Signature

Date

I have read and understood the 1.00 Syllabus

Signature

Date

The remaining three problems will be completed during your first tutorial session. If you miss this section or join the class later, you will need to schedule time with your TA to complete these problems.

Problem 3. Introduction to Forte (20%) in class exercise

Preparation for students using their own laptops: do before your first tutorial

If you are using your own laptop, download and install the free community edition of Forte 1.4 from Sun's website at <http://www.sun.com/software/sundev/jde/index.html>. If you are using a 1.00 laptop, this software is pre-installed.

In-class exercise:

Create a new Java® file from Forte as follows:

1. Make sure you are on the "Project" tab of the Forte Explorer windows.
2. Right-click on "Default Project" at the top of the explorer window, and select "Add New"
3. Select the "Classes" category, open it, and choose "Main".
4. Give the new class the name "HelloWorld". (Use "HelloWorld" in place of *<default name>* in the New Wizard "Name:" field.
5. Click the "Finish" button

Forte will create and open a new file called "HelloWorld.java". Add the following line to the empty `main()` method with the following method:

```
public static void main(String[] args) {  
    System.out.println("Hello world!");  
}
```

Compile this file by selecting the "Build" menu and the "Compile" option. (Or use the keyboard shortcut F9.)

Run the program by selecting the "Build" menu and the "Execute" option. (Or, use the F6 key.)

Show your TA your output to get credit for this problem.

Problem 4. Uploading Java® files (20%)

Upload your HelloWorld.java file to your 1.00 "turnin" locker by following your TA's instruction. This is how you will turn in homework in the future.

Problem 5. Printing Java® files (20%)

Follow the instructions on the course website to set up your laptop for printing to Athena printers. Print your HelloWorld.java file and hand it in to your TA at the next tutorial session.