

CS II: Data Structures

Pre-Lab Week 1

Installing tools and setting up

Coming prepared to Section each week

You only have 50 minutes to meet with your peers and TA. Use it wisely! To do so, we ask that you do the following:

- **Complete the pre-lab *before* ** arriving in section.** Turn in your pre-lab to your TA at the start of class (this week there is nothing to turn in).
- Bring your laptop to section and have everything ready to go (turned on/IDE loaded/files downloaded when relevant) by the time class starts.
 - If you cannot bring a computer to section then work in pairs

Here's what to do before section this week...

1. Try NetBeans (and install NetBeans if needed)

NetBeans is an *integrated development environment* (IDE) for Java. It is one software program that combines an editor, code navigation, testing, and debugging.

NetBeans* is required for this class. You can use NetBeans that is already installed on the lab computers. Go physically to 301 MLH or connect remotely to the Linux virtual machines

<https://clas.uiowa.edu/linux/help/fastx>.

Many students prefer to run NetBeans on their own computer. If you choose to do so, please attempt to install NetBeans before coming to the first section.

1. Go to this website: <https://netbeans.org/downloads/>
2. Install the Java SE Version of NetBeans
3. You need to have java installed (version is JDK 8)
 - a. At the bottom of the page there is a bundle where you can install both NetBeans and Java together.
 - b. If you want to install Java separately first, you can see here (<http://www.oracle.com/technetwork/java/javase/downloads/jdk8-downloads-2133151.html>)

*If you prefer, you may use another Java IDE such as IntelliJ or Eclipse, but we cannot promise support to you

**For week 1 only, Wednesday section students are recommended but not required to complete the pre-lab before class

2. Take the NetBeans tutorial

Once installed, you can try NetBeans out by following the tutorial at <https://netbeans.org/kb/docs/java/quickstart.html> .

What to expect in Section

You will get to know your peers and TA, and you will be fixing or completing a number of Java programs so that they print the desired output.