

Final Project Group: *Must be a group of 3 or 4!*
This will be the group you will work with for the rest of the semester!

<p style="text-align: center;">Team Letter (based on seating):</p> <p style="text-align: center;">A B C D E F G H I J K L</p> <p style="text-align: center;">(circle one)</p>	<p style="text-align: center;">CS 105, Section AY__</p> <p style="text-align: center;">(fill out your section letter)</p>
<p>Your NetID: <input style="width: 100%;" type="text"/></p> <p>Second NetID: <input style="width: 100%;" type="text"/></p> <p>Third NetID: <input style="width: 100%;" type="text"/></p> <p>Fourth NetID: <input style="width: 100%;" type="text"/></p> <p style="font-size: small;"><i>Your NetID is a series of up to 8 characters, like "jsmith2".</i></p>	<p>Your Name: <input style="width: 100%;" type="text"/></p> <p>Second Name: <input style="width: 100%;" type="text"/></p> <p>Third Name: <input style="width: 100%;" type="text"/></p> <p>Fourth Name: <input style="width: 100%;" type="text"/></p>

Pick Your Own Group

In lecture on Wednesday, you heard about the Final Project that will be taking place as part of your final four lab sections. **For this project, you get to choose your own group!** Talk to other students and find a total of **3-4 total students** (2-3 other people) to work on this lab and the final course project.

Overview

This lab consists of two parts:

- You and your group must complete some basic questions over a pivot table, as shown in the "Lab Assignment" part of this document. This will be graded for points as part of Lab #11.
- You and your group should discuss ideas for your project proposal. You will be required to have a half-page document that outlines what you intended to do for your final project for your TA next week. You can find more details on this in the "Project Proposal" part of this document.

Similar to previous week, you will find that we have prepared an **.xlsx** file for you to use in part of this lab. For this week, the data is data you should already be familiar with in lecture.

Lab Assignment

Q1: Using a Pivot Table, what was the total population of all the countries in the **subregion** of "Middle Africa" in 2004?

Total population? _____

Q2: Using a Pivot Table, what is the total number of mobile phone subscribers in the following regions:

Asia? _____

The Americas? _____

Project Proposal

In lecture on Wednesday, an overview of the Final Project for CS 105 was given. As part of this overview, you learned you need to submit a project proposal to your TA in lab next week. This proposal must include:

- The names and NetIDs of all of your group members,
- An overview of your planned project,
- The amount of data you plan to collect (Excel) or the output/display of your program (JavaScript),
- How the work will be divided up between your team members.

This proposal must:

- Be at least a half page in length,
- Single spaced,
- No larger than a 12-point font, and
- Have standard margins

You should print out this proposal and have it when you come to lab next week! **For this week**, you should start thinking of ideas with your group and discussing them with your TA. It's best to have your TA already know about your proposal before submitting it, as to avoid possibly having to make corrections to it (but this is not necessary).

Remember, this project is all about being awesome and having fun!