

CS 2316

Individual Homework 0 – Introduction / Python Setup

Due: Tuesday, January 17th, before 11:55 PM

Out of 50 points

Files to submit:

1. FIRSTNAME_LASTNAME.jpg
2. FIRSTNAME_LASTNAME.pdf

For Help:

- TA Helpdesk – Schedule posted on class website.
- Email TA's or use T-Square Forums

Notes:

- **Don't forget to include the required comments and collaboration statement (as outlined on the course syllabus). (In your PDF file)**
 - **Do not wait until the last minute** to do this assignment in case you run into problems.
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Part 1 - Mugshot

Find a picture of yourself. Crop the picture to include just your face. Resize the picture to be exactly 300 pixels by 300 pixels in size. Save the picture as a JPG, using your first and last name as the file name, (e.g. Jay_Summet.jpg). Submit this picture to t-square.

You may use an image editing tool you are familiar with to manipulate your mugshot picture. If you do not have a preference, we recommend using the GNU Image Manipulation Program (GIMP):

<http://gimp-win.sourceforge.net/stable.html>

<http://www.gimp.org/macintosh/>

Part 2 – Introduce Yourself

Write a one paragraph introduction telling your Teaching Assistant (TA) a little about yourself. Include the following information:

1. Your name, class standing (fr,so,jr,sr,grad), and intended major.
2. Where you grew up and went to school.
3. What you do for fun.
4. Something that you want to learn how to do in this class.
5. A problem that would be suitable for a homework assignment in this class.
6. In addition, below your introductory paragraph, include the result of running the "mystery code" (part 3 of this assignment).

Submit this document to t-square **AS A PDF, using the file naming format of `FIRSTNAME_LASTNAME.pdf`**. If you are using Linux or Mac operating systems, printing to PDF should be already built in. With windows, you may need to install a free 3rd party program, such as Ghostscript and GhostView from <http://www.cs.wisc.edu/~ghost/> or the pdf995 print driver for Windows at <http://www.pdf995.com/download.html>

Part 3 – Mystery Code

You will need to install the course software to run the following code. *Please budget enough time to install the software, have problems, go to the TA for help, have more problems, and go to the TA for help again before the turn-in deadline!*

Download the `mysteryCode.py` file. Run it using IDLE/Python. Answer the questions it asks. Copy all of your interaction with the program, along with the secret code it prints out at the end of your dialog to the bottom of your Introduction document (part 2).

Turning it in

Once you're done, please submit your files to T-Square. If you're late, but turn it in before 6pm on the next class day, you will lose 10%. We will not accept submissions after the next class day.

Grading Rubric

- Mugshot – 20 points

File named correctly (<code>firstname_lastname.jpg</code>)	5 points
Correct File Size (Exactly 300x300 pixels)	10 points
Face recognizable	5 points

- Introduction - 15 points

Includes all 3 required elements (5 points each)

- Mystery Code - 15 points

Successfully ran the Mystery Code	5 points
copied correct code to document	10 points

You can earn up to 3 points bonus [discretion of the TAs] for extra creativity/general awesomeness in your introduction and picture, for a possible total of 53/50.