

# Lab 1 – CSE 101 (Fall 2019)

## Programming Environment

### Part 1: Python and PyCharm installation

In this first part of the lab, the goal is to get **Python** and an IDE (**PyCharm**) installed on your computer. If you have a laptop, bring it to the lab. We suggest that you work in pairs with someone who has a laptop with the same operating system (Windows or Mac or Linux) as you do.

Installation instructions for **Python** and **PyCharm** are provided as part of [Lecture 2](#). Please **follow the instructions carefully and exactly** as deviating from them can cause unexpected errors.

**Demonstrate to the TA that your Python installation and PyCharm works using the following steps:**

- 1) Execute the following lines from the Python prompt:

```
'''Illustrate input and print.'''
>>> applicant = input("Enter the applicant's name: ")
>>> interviewer = input("Enter the interviewer's name: ")
>>> time = input("Enter the appointment time: ")
>>> print(interviewer, "will interview", applicant, "at", time)
```

- 2) Create a Python file named **interview.py** using PyCharm. Add above lines in created file. Save and run the program using PyCharm.

### Part 2:

In this second part of the lab, you will do the following:

- **Windows users:**
  - [DOS Lab](#)
- **Mac users:**
  - [Unix Lab](#)

### Submission:

- 1) Upload **interview.py** program on the blackboard.
- 2) Create a file **outputs.doc** in **Microsoft Word** (Windows) or **OpenOffice** (MacOS). After you run the commands, copy and paste 3-4 lines of output in **outputs.doc** file. Upload **outputs.doc** file on blackboard after you run all the commands.

**Further homework (for self-study):**

[More DOS and Unix commands \(for reference\)](#): Some of the DOS commands like are not available in later versions of Windows like 7, 8 and 10.