



Python Programming - Sections 1832 & 1833

Deadline Sept. 13, 2020 by 20:00 PM PST

Programming Assignment 1 (12 Points): Installing and Using Python, IDLE, and the Canvas Submission System

Part 0 (2 points): Canvas & Zoom Profiles:

Add a profile picture or personal photo/graphic to both your Zoom & Canvas accounts and fill out the Canvas Biography section with links to your own personal professional website (e.g. github, linkedin, personal portfolio page, etc.) if available.

Part 1 (10 points): Getting started with Python:

The first assignment provides an opportunity to become acquainted with the software we will use for all of our Python programming assignments this semester. Use the IDLE Python development environment, or your preferred Integrated Development Environment (IDE), for this assignment. You will submit the Python source file(s) (.py files) and not the interpreter sessions to Canvas. The assignments will be graded using IDLE on Windows so please ensure your code works on this platform.

Program Description, Interfaces, and Functionality

For this assignment, use the built-in **print** function to display a list of five places you recommend to visit or want to visit in the world (e.g. the Giza pyramids in Egypt, the Grand Canyon in the United States, the Great Wall in China, Victoria Falls in Zimbabwe, etc.). Do not copy the places that are provided in the example; be sure to create your own list.

Enumerate each item in your list as shown in the example output below using only the number **5.9687**. Do not use any other number representation (e.g. strings, etc.) to print out 0, 1, 2, 3, 4 in your program. Note that any number will print without the decimal portion of the number using the built-in function **int**.

The **A01.py** file submitted to Canvas will have the following:

1. Comments at the top of the **.py** file as described below
2. Five print statements with places you recommend to visit or want to visit in the world.

Skeleton code

```
#
# Name: Your First Name & Last Name
# SSID: Student ID Number
# Assignment #: 1
# Submission Date: 9/13/2020
#
# Description of program:
# This program lists five places you recommend (or want) to visit in the world
#
...your code here
```

Example usage:

Example usage:

```
>python A01.py
```

```
Five places I recommend or want to visit in the world are:
```

```
0 the Giza pyramids in Egypt
```

```
1 the Grand Canyon in the United States
```

```
2 the Great Wall in China
```

```
3 Victoria Falls in Zimbabwe
```

```
4 Ha Long Bay in Vietnam
```

Where to do the assignment

You can do this assignment on your own computer, or from the SMC Virtual labs via Citrix. In either case, ensure the code runs on Windows and in IDLE. Submit one **.py** file named **A01.py**. Do not use any other name or else points will be deducted.

Submitting the Assignment

Include your name, your student id, the assignment number, the submission date, and a program description in comments at the top of your files. Submit the assignment on Canvas (<https://online.smc.edu>) by **uploading your .py file** to the Assignment 1 entry as an attachment. Do not cut-and-paste your script into a text window. Do not hand in a screenshot of your program's output. Do not hand in a text file containing the output of your program. Do not save and turn in the interpreter session (e.g. the one with `>>>`).

Saving your work

Save your work often on a flash-drive or to the cloud (e.g., GoogleDrive, Microsoft OneDrive, Canvas, etc.). Always save a personal copy of your files (e.g. .cpp, .h, etc.). Do not store files on the virtual lab computers.