Classwork 2: More Python Warm-Ups

In-class Date: Thursday 11 September
Due Date: Wednesday 17 September

Objectives

To continue getting used to writing Python code.

Assignment:

1 Install Python

As mentioned in the syllabus, ensure that Python with IDLE is installed on your computer, available at `https://www.python.org/downloads/`. Optionally, you may use PyCharm Community Edition available at `https://www.jetbrains.com/pycharm/`, or Google's interactive Python environment at `https://colab.research.google.com/`.

Starter Code & Assignment

Use the starter code below and follow the in-line instructions.

```
# Name: Alice Smith (your name here!)

# Part 1: Replace ?? with a list of things to print, such as
# favourite foods, summer activities, pet names, etc.
for item in ??:
    print(item)

# Part 2: Prompt the user for 4 words: a noun, a verb, an adjective,
# and a place. Then, display the words as a sentence.
noun = ???
verb = ???
adj = ???
place = ???
print("Bring your " + ???)

# Part 3: As of July 2024, the Voyager 1 spacecraft is about
# 24,447,732,226 kilometers from Earth. Radio transmissions are about
# the speed of light: 300,000 kilometers per second. Write code which
# calculates the estimated transmission time for one-way communication
# with Voyager 1 in hours. Estimated answer: 22.6 hours.
distance_over_speed = 24447732226.0/300000.0

# Convert from seconds to hours

# Print the result and include a description.


```

Reminder

Assignments are your own effort. Do not share your code.

Grading Rubric

Script prints:

- your list of items: 25 points.
- the sentence with user-provided words: 25 points.
- the transmission time between Earth & Voyager 1: 50 points.

What to Submit

- Your saved Python script.

Last modified: 28 July 2024