

MET 3601 Syntax Problem #2

Please do your work in the syntax-problems folder on the JupyterHub

<https://fit24f-1.ees220002.projects.jetstream-cloud.org/>

Objectives

1. Practice Writing Python code and using comments
2. Practice Running Python code
3. Use of simple Python I/O
4. Use of standard mathematical operations

Due by the beginning of the next class

Problem

1. Write a Python program to calculate the time (in seconds) to move a certain distance (in miles) travelling at a given speed (in miles per hour). Output the time in seconds to standard output (i.e., the screen).

- Use the “`input()`” function to capture the distance and speed from the user. Be sure to prompt for correct units.
- Have the output say what the input distance and speed along with the final calculated time to travel the distance that was input.

Note the following:

- **distance = speed * time**
- Make sure documentation (e.g., comment block and comments throughout code) is present in your source code
- Make output informative so that anyone running your program understand what is being produced without seeing the assignment.
- Feel free to use a previous script to start a new problem, especially if it has code that will be useful to have in the new program.
- Name the program (notebook)

syntax1_lastname.ipynb

where ‘lastname’ is your lastname 😊