Laboratory Exercise
Data Types

Objective:

At the end of the exercise, the students should be able to:

- Write programs utilizing various data types

Requirements:

- Microsoft Word
- Programming Environments

Procedure (80 points):

1. Create a Python program that computes the travel time for a trip based on the user's input.
2. Various data types should be used in ways such as:
    - **Accept trip details** (starting location, destination, and mode of transport) as **string** values.
    - **Accept distance and speed details** (distance in kilometers as a **float**, speed in km/h as a **float**).
    - **Compute the estimated travel time** using the formula:

      Travel Time = Distance / Speed

    - **Determine if the trip takes more than 5 hours** (**boolean**) and give a warning if necessary.
    - **Display the travel details, travel time, and if a rest stop is recommended.** A stop is recommended if the travel time is greater than 5 hours.
3. Provide a screenshot of the final output.
4. Consolidate the code and screenshot in a Word file and call the instructor to check before submitting a PDF copy on eLMS.

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Criteria	Excellent 4	Good 3	Fair 2	Poor 1	Points
Completeness (x5)	The student did **all** the requirements.	The student **missed one (1)** requirement.	The student **missed half of the** requirements.	The student **missed all** the requirements.	**__/20**
Screenshot (x5)	The student provided **correct and complete screenshots**.	The student provided **correct but incomplete screenshots**.	The student provided **incorrect but complete screenshots**.	The student provided **incorrect and incomplete screenshots**.	**__/20**
Coding (x10)	The code is **complete and properly structured**.	The code is **complete but improperly structured**.	The code is **properly structured but incomplete**.	The code is **incomplete and improperly structured.**	**__/40**
				Total Score	**__/80**