# CTI 110

# M5HW1: Distance Traveled

# Assignment

As we saw in a previous assignment, the formula to calculate distance is:

**distance = speed \* time**

Write a program that asks the user two questions: The speed of a vehicle, and the number of hours it has traveled. The program should then display the distance that the vehicle has traveled for each hour of that time period. Your output should be displayed in table format.

Here is an example program run. (The user’s entries, after the “?”, are listed in **bold**.)

What is the speed of the vehicle in mph? **40**

How many hours has it traveled? **3**

Hour Distance Traveled

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1 40

2 80

3 120

>>>

# Tips

This program uses a counting loop. You can use either a for loop or a while loop to implement a counting loop. Be careful of off-by-one errors.

You do not need to display a value for hour zero, as the vehicle will always have traveled a distance of 0 at time 0.

When a sample program run is provided, you should try to make your program’s output look as similar as possible to the output provided. (You can use the string ‘\t’ to display tab stops.)

# Submitting M5HW1

Use the usual naming convention and comment block, and submit your Python source file in Blackboard.