

Course: **CS-465 AI-Lab**

25/01/2021

**Fall 2021****Resource Person: Komal Arif****Lab Test – 1****Total Points: 15****Time Allowed: 30 Minutes****Question-1****Marks: [15]**

The distance a vehicle travels can be calculated using a function named **DisplayDistance(speed,time)**.

Write a code that asks user for the speed of a vehicle (in miles-per-hour) and the number of hours it has traveled. It should then pass these values in Function-Call as parameters. Function should use a loop to display the distance a vehicle has traveled for each hour of a time period specified by the user. For example, if a vehicle is traveling at 40 mph for a three-hour time period, method should display a report similar to the one that follows:

Hour	Distance Traveled
-----	
1	40
2	80
3	120

**Input Validation:** Do not accept a negative number for speed and do not accept any value less than 1 for time traveled.

**Note:**  $Distance = Speed * Time$

**Instructions:**

1. Create a python file called **YouRollNumber.py** e.g. 14232432.py [1]
2. Submit python file only.

***Note: No late submissions will be accepted.***