

Purpose: store values for calculation

Learning outcomes: 1 and 2

Time: submit before your 5pm Friday Week 3.

Resources: MyLo: lecture notes and tutorial materials

### Task:

Time Calculation: Assuming there are no accidents or delays, the time it takes for a car travelling certain distances down a road can be derived from the following formula:

$speed = distance / time$ . (You will need to rearrange the formula in order to calculate time)

A car is traveling at a constant speed of **50 kilometres per hour**. Write a program that **calculates the time** to travel the three given distances below and displays the following:

### Example Output:

- It will take the car 1.0 hour(s) to travel 50 kilometres
- It will take the car 2.0 hour(s) to travel 100 kilometres
- It will take the car 3.0 hour(s) to travel 150 kilometres

### Submission Details

Upload the following to the MyLO submission folder for this task:

1. The source file (i.e. the text file containing your code)
2. A screenshot of the Python shell window that shows the **execution** results of the source code.

### Assessment Criteria

A completed submission will:

1. Include comments about the program purpose and the author of the program (your name)
2. Declare variables and assign initial values at the start of the program (Example: `distance = 0 # initial distance`)
3. Use meaningful names for variables, starting with a lower case.
4. Use a constant variable to store the speed value (Example: `SPEED = 50`)
5. Calculate the times correctly.
6. Display the resulting information properly.
7. Submit both the source file and the screenshot.