

MAT 115E Introduction to Programming Language

Lab-1 / CRN : 10610

Instructor: Assoc. Prof. Dr. Burcu Tunga

Lab Assistant: Res. Asst. Ahmet Topal

1 Question 1

A formula that converts a measure A to measure B is given as follows:

$$B = \frac{A - 154}{2.5} + \frac{523.48}{A} \quad (A \neq 0)$$

Write a C program that reads a measure A from standart input (shortly, stdin) and converts it to measure B and print it on the screen with the following format.

Example Scenario:

```
> Enter the measure A: 82
> 82 A is equal to -22.42 B.
```

2 Question 2

Create a C Program that calculates your daily driving cost, so that you can estimate how much money could be saved by car pooling, which also has other advantages such as reducing carbon emissions and reducing traffic congestion. The C program should read the following information and display the user's cost per day of driving to work:

- a.) Total miles driven per day.
- b.) Cost per gallon of gasoline.
- c.) Average miles per gallon.
- d.) Parking fees per day.
- e.) Tolls per day