

27 October 2020

CENG2001 – Week4 Lab Assignment

Write a C program that accomplishes each of the following.

- a. Display the message "Enter two numbers:".
- b. Define the variables **number1** and **number2** to be of type *int* and obtain them from keyboard.
- c. Define the variable **sum** to be of type *int*.
- d. Calculate the sum of variables number1 and number2 and assign it to variable sum.
- e. Define the variable **difference** to be of type *int*.
- f. Calculate the difference of variables number1 and number2 and assign it to variable difference.
- g. Define the variable **average** to be of type *float*.
- h. Calculate the average of variables number1 and number2 and assign it to variable average.
- i. Display the **sum**, **difference**, **average**, **square of the sum**, **cube of the difference** and **square of the average of two numbers**.

Desired output:

```
>> Enter two numbers:
>> 5
>> 13
>> 5 + 13 = 18
>> 5 - 13 = -8
>> Average of 5 and 13 is 9.00
>> Square of the sum is 324
>> Cube of the difference is -512
>> Square of the average of 5 and 13 is 81.00
```