

Take home Quiz# 1 (Graded)

Deadline: before class, Monday 24th February, 2020
Total marks: 25

Submission guidelines: You need to submit it in hardcopy form (handwritten/printed). No need to waste money on formal or fancy assignment pages. You can submit it on a simple page I'll not mind at all. And no need to write complete question, just mention the question number and carry on with the solution.

Question#1: **7 marks**

Write an algorithm and trace table for the following problem:

Find the second largest number out of the three numbers taken as an input from the user.

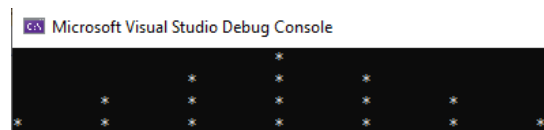
Question#2: **7 marks**

Write a program in C++ that takes input from user about the meal cost. Store the meal cost in an integer type variable. The program should then find the tax amount, tip amount, and total bill. Declare integer variables to deal with this. Tax amount is 10 percent of the meal cost. Tip amount is found by finding 40 percent of the amount we get after adding the tax. Finally, total bill is found by deducting tax amount and tip amount from the original meal cost. Display original meal cost, tax amount, tip amount, and total bill, each on a separate line.

Question#3 **10 marks**

Write a program in C++ that prints the following pattern using escape sequences “\t” and “\n”. You are not allowed to use add spaces manually (using keyboard spacebar), instead use “\t” to add a space. If space is added manually then ZERO will be awarded.

Part (a):

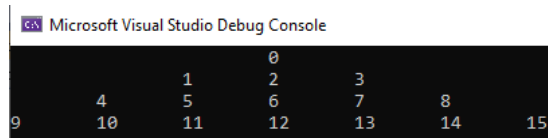


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    * *
  * * *
* * * *

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Part (b):



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      0
      1  2  3
    4  5  6  7  8
  9 10 11 12 13 14 15

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