

Computer Science 1001
Lab Problem #1
Due Sept 23rd (4:59pm NL time)

- Your solution to this lab problem should be uploaded to the **Lab Problem 1** dropbox on the course Brightspace shell.
 - Name your file `catering.py`.
 - The dropbox for this lab problem will close at 4:59pm NL time on September 23rd. Late submissions will not be accepted.
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1. A catering company charges a fixed price for each adult meal, and a percentage discount for each child meal (ex. a child meal costs 50% of the cost of an adult meal). Write a Python program to compute the total cost of an order, and the amount owing after gratuity and tax has been added. Your program should request the following from the user: number of adult meals, number of child meals, gratuity (as a percentage), and the deposit paid. Your total cost should include gratuity and tax, but tax should not be charged on the gratuity amount. The amount owing should take the deposit paid into account.

Note that the values for the cost of an adult meal, the percent discount for a child meal, and the tax rate, should be assigned within your program; you can choose any values you wish. Since these values should not be changed within your code, you should use all uppercase identifiers to represent these items. All uppercase identifiers is a convention used in Python to indicate that values should remain constant (ie. their values should not be changed).

Be sure to include appropriate labels in your requests for user input.

The output from your program should be formatted similar to the following:

```
Meal Cost:      $ 143.75
Gratuity:       $  25.88
Tax:            $   21.56
Total Cost:     $ 191.19
Deposit:        $   20.00
Amount Owing:   $ 171.19
```