

Assignment 8: Order Pizza

Due: October 29, 2021 (FRIDAY)

All programs must run correctly for it to be considered as accepted submission. (Per each missing- or unaccepted- submission your grade will be lowered by one letter grade); The last day to upload the assignments is Dec 17th.

Resources

Programming Style related to if statements.

Indentation and Curly Braces for Control Structures (ANSI C++): Pg 3

- Optional Omission of Curly Braces Pg 4
- Indentation of " if " and " else " Pg 5 and Pg 6
- "White Space" (blank line) between Sections / Blocks of Code Pg 7
- "White Space" Before and After Operators, etc. Pg 7
- Return () Statements and the "Single Entry-Single Exit" Rule Pg 8

Objective

In this assignment, you will be practicing constants, io manipulation, switch cases, and loops.

Code : pizza.cpp

Input : none

Output : none

Assignment: Order Pizza

You are to write a program that lets you order pizza. Please refer to the sample output. Some key features:

- The menu is repeatedly printed.
- As user selects an item, the program finds the running total and total number of items.
- Prices are aligned such that the decimal points are aligned.
- The user can repeatedly pick any option, but "E - Exit" option.

Sample Output

```
Microsoft Visual Studio Debug Console

=====
Welcome to Pizza Palace
=====

      A      pizza      15.50
      B      soda       2.00
      C      Chicken Nugets 7.00
      D      breadsticks 9.75
      E      Exit

Please enter the next menu item number A

Number of items so far 1
Your total so far 15.50

      A      pizza      15.50
      B      soda       2.00
      C      Chicken Nugets 7.00
      D      breadsticks 9.75
      E      Exit

Please enter the next menu item number S
Please pick a valid option

Number of items so far 1
Your total so far 15.50

      A      pizza      15.50
      B      soda       2.00
      C      Chicken Nugets 7.00
      D      breadsticks 9.75
      E      Exit

Please enter the next menu item number D

Number of items so far 2
Your total so far 25.25

      A      pizza      15.50
      B      soda       2.00
      C      Chicken Nugets 7.00
      D      breadsticks 9.75
      E      Exit

Please enter the next menu item number A

Number of items so far 3
Your total so far 40.75

      A      pizza      15.50
      B      soda       2.00
      C      Chicken Nugets 7.00
      D      breadsticks 9.75
      E      Exit

Please enter the next menu item number E
Exit
Number of items so far 3
Your total so far 40.75

Your total is 40.75
```

Things to consider earning the full credits

Your program will be graded on:

1. The program must be submitted by the due date.
2. The program must run correctly and give an output similar to the sample output.
3. You must adhere to the Department style guide.