Objective

In this assignment, you will be practicing variables, literals, constants, and mathematical expressions.

Code: ingredients.cpp

Input: none

Output: none

Assignment: Ingedients

Write a program that calculates the quantities of ingredients needed to make cookies. The amounts required to make 4-dozens are given below.

        1 cup butter
        1.5 cups white sugar
        2 eggs
        2 tsp vanilla extract
        2 cups all-purpose flour
        0.75 baking soda
        .25 tsp salt
        2 cups chocolate chips

The program should ask the dozens of cookies the user wants the ingredients for (you may assume that the user gives **only a multiple of four**. Then the program should calculate the amounts and outputs with appropriate labels (see the sample output).

Requirements and hints:
   1. All the quantities from the original recipe should be stored in constants.
   2. Then the program should calculate the amount required for the new dozens of cookies and keep them in a separate set of variables.
   3. Lastly, output the new amounts using those variables.
   4. You should pick the variable types appropriately.

Sample Output

```
Microsoft Visual Studio Debug Console
Chocolate Chip Cookies - 4 dozen cookies

        1 cup butter
        1.5 cups white sugar
        2 eggs
        2 tsp vanilla extract
        2 cups all - purpose flour
        0.75 baking soda
        0.25 tsp salt
        2 cups chocolate chips


Preheat oven to 350 F.In a large bowl, mix butter, sugar, eggs, and vanilla
until lightand fluffy.In a separate bowl, combine flour, baking soda, and
salt; stir into the butter mixture until well - blended stir in chocolate chips.
 Drop by rounded teaspoons onto ungreased cookie sheets.Bake 8 - 10 minutes until
just set.Cool slightly on cookie sheets before transferring to cooling racks
to cool completely.

How many dozens are you planning to make (Please give a multiple of four)?12


        3 cup butter
        4.5 cups white sugar
        6 eggs
        6 tsp vanilla extract
        6 cups all - purpose flour
        2.25 baking soda
        0.75  tsp salt
        6 cups chocolate chips
```

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.

4. Suggestions based on some common mistakes students make in similar assignments

☐ Use the comment block given in worldclassroom and fill it with the correct information (refer to pg 7 Programming Standards).
☐ Align the comment block information
☐ Fill in the description in the comment block.
☐ Use the correct due date – given in the assignment.
☐ Section numbers: Section 03
☐ Use white space before and after operators; << is an operator. **(refer to pg 7 Programming Standards).**
☐ Use white space between sections/blocks of code. (e.g., before *#include <iostream>*, before the line *int main()*, before return statement.**(refer pg 7 Programming Standards).**
☐ Use four (4) spaces for indentation. **(refer to pg 3 Programming Standards).**
☐ No character goes beyond 103 (star line should be the longest)
☐ Have curly braces on their own lines. **(refer to pg 3 Programming Standards).**
  ☐ **Preserve the formatting of the *output messages (i.e., the messages you see on the console),* which improves the readability.**