# Pseudocode

**Start**

char itemName[30] = {};

char itemCode[30] = {};

int stockNumber = 0;

int userChoice = 0;

int userOption = 0;

double buyingPrice = 0.00;

double sellingPrice = 0.00;

double expectedProfit = 0.00;

double totalExpectedProfit = 0.00;

bool goodStock = true;

struct tm expiryDate;

SYSTEMTIME st;

GetLocalTime(&st);


mainMenu: Get userChoice


switch (userChoice)

      userChoice == 1:

          Get itemName

          Do

               Get expiryDate.tm_mday

               Get expiryDate.tm_mon

               Get expiryDate.tm_year

               if (expiryDate.tm_year < st.wYear)

                    Print "The expiry date has passed! Please reenter a valid date."

                    goodStock = false;

               else if (expiryDate.tm_year == st.wYear)

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                    if (expiryDate.tm_mon < st.wMonth)

                            Print "The expiry date has passed! Please reenter a valid
                    date."

                            goodStock = false;

                    else if (expiryDate.tm_mon == st.wMonth && expiryDate.tm_mday
            < st.wDay)

                            Print "The expiry date has passed! Please reenter a valid
                    date."

                            goodStock = false;

                    else

                            goodStock = true;

            else

                    goodStock = true;

While (goodStock != true)


Get itemCode


While (buyingPrice <= 0.00)

        Get buyingPrice

        if (buyingPrice <= 0.00)

                Print "Buying Price cannot be zero or negative number! Please
        reenter Buying Price."

End of While


While (stockNumber <= 0)

        Get stockNumber

        if (stockNumber <= 0)

                Print "Number of Stock(s) cannot be zero or negative number!
        Please reenter Number of Stock(s)."

End of While


Calculate:

        sellingPrice = 0.3 * buyingPrice
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Calculate:

expectedProfit = sellingPrice * stockNumber

Calculate:

totalExpectedProfit += expectedProfit;

Print sellingPrice

Print expectedProfit


option: Get userOption;


if (userOption == 1)

goto mainMenu

else if (userOption == 2)

Print "Thank You for Using Grocery Shop Profit Calculator ^-^"

else

Print "Invalid input entered! Choose either 1 or 2 ONLY."

goto option

break


userChoice == 2:

if (totalExpectedProfit == 0.00)

Print "WARNING! No prior stocks have been recorded!"

Print totalExpectedProfit

else

Print totalExpectedProfit

break


default:

Print "Invalid input entered! Choose either 1 or 2 ONLY."

goto mainMenu

End of switch-case

**End**