Answer on Question#39366- Programming, C++

1. Focus of the Project

For the program, you will write a utility that converts dollars to coins. It is a simple program that must have the following:

Multiple outputs to the screenAt least one inputThe use of integers and stringsLooking or repetition with Do..While, If..ElseMust have some output text to show correct value of coins that would be converted from the dollars.Code must include comments explaining your reason for the code section or what the code is doingCode must compileWhole dollars only. If value is less than 1 or 0, the program should break or exit.

Turn in your source code (.cpp file)

Solution.

```
#include <iostream>
using std::cout; // program uses cout
using std::cin; // proram uses cin
using std::endl; // program uses endl
int main() // function main begins program execution
       do
       {
       int money; // creates integer for money input
       const int PENNY = 1; // creates constant integer for penny
       const int DIME = 10; // creates constant integer for dime
       const int QUARTER = 25; // creates constant integer for quarter
       const int NICKEL = 5; // creates constant integer for nickel
       int total = 0; //answer for amount is money * 100 / choice
       cout << "Please enter in a dollar amount to convert it to change\n"; //prompts user</pre>
              cin >> money; // user enters dollar amount
       cout << "To determine how many pennies, dimes, quarters or nickels, enter\n";</pre>
//display message
       cout << "MENU\n"</pre>
       << "1) Pennies\n"
       << "2) Dimes\n"
       << "3) Quarters\n"
       << "4) Nickels" << endl;
       char choice;
         cin >> choice;
           if ( money <= 1 ) // if dollar amount if 1 or less end loop</pre>
           {break;}
              if ( choice == '1' ) // if user types penny then
              { total = ( money * 100 ) / PENNY; } // divide money by coin
```

```
D:\Projects\Qq\Debug\Qq.exe

Please enter in a dollar amount to convert it to change
25
To determine how many pennies, dimes, quarters or nickels, enter
MENU
1) Pennies
2) Dimes
3) Quarters
4) Nickels
2
The result is:250's in2
Please enter in a dollar amount to convert it to change
```