HW 4: (Submit through WorldClassroom)

Complete the following program that calculates the change in terms of different types of coins using minimum total number of coins.

```cpp
int main()
{
    int balance,                                    // hold the balance in cents
        quarters,
        dimes,
        nickels,
        pennies,
        remainder;
    const int QUATER = 25,
              DIME = 10,
              NICKEL = 5;

    cout << "Enter the balance in cents: ";
    cin >> balance;

    quarters = balance / QUATER;                    //Find #of quarters
    balance = balance % QUATER;                     //Find the remaining balance

    dimes = balance / DIME;                         //Find the #of dimes
    balance = balance % DIME;                       //Find the remaining balance

    nickels = balance / NICKEL;                     //Find the #of Nickels
    balance = balance % NICKEL;                     //Find the remaining balance

    pennies = balance;                              //remaining balance would be all pennies


    cout << "Balance" << balance << endl
         << "\n" << "Quarters: " << quarters << endl
         << "\n" << "Dimes: " << dimes << endl
         << "\n" << "Nickels: " << nickels << endl
         << "\n" << "Pennies: " << pennies << endl;

    return 0;

}
```