Title: C++ Authentication Code

Programming language: C++

Author of code: Lance McCormick

Link to the website:
https://cplusplus.com/forum/beginner/113403/

Code Description:

-This program asks the user to enter a user name and password (which I have already pre-defined in the code).

-It then checks the user's input in the if-else-if statements.

-If the login condition is true, it will print a welcome message to the user.

-Otherwise it will tell the user the entry is invalid and allows them to try 4 more times. (5 in total)

-Also, the loginAttempt loop counter is incremented up by 1.

-All of these if-else-if statements are nested in a while loop which checks the loginAttempt condition.

-When the loop breaks, the program will check to see if the variable loginAttempt == 5, if it's true it will tell the user they have tried to login too many times and the program will terminate.

-If the login was successful the loop will break and ignore the previous condition I just mentioned and print a thank you message for logging in.

```cpp
#include <iostream>

using namespace std;
```

```cpp
int main ()

{

    string userName;

    string userPassword;

    int loginAttempt = 0;



    while (loginAttempt < 5)

    {

        cout << "Please enter your user name: ";

        cin >> userName;
```

```cpp
cout << "Please enter your user password: ";

cin >> userPassword;


if (userName == "greg" && userPassword ==
"dunn")


    {


        cout << "Welcome Greg!\n";


        break;


    }


else if (userName == "patrick" && userPassword
== "dunn")


    {


        cout << "Welcome Patrick!\n";
```

```cpp
            break;

      }

      else

      {

            cout << "Invalid login attempt. Please try
again.\n" << '\n';

            loginAttempt++;

      }

   }

  if( loginAttempt == 5 ){

    cout << "Too many login attempts! The program will
now terminate.";

}
```

```cpp
    else {

        cout << "Too many login attempts! The program will
now terminate.";

    }


    return 0;



        cout << "Thank you for logging in.\n";
```

Title: C++ Authentication Code

Programming language: C++

Author of code: Annoyed Addax

Link to the website: https://www.codegrepper.com/code-examples/cpp/login+system+c%2B%2B

Code Description:

```cpp
#include <iostream>

using namespace std;

int main() {

  string login;

  string user;
```

```cpp
int login_times;

string password_login;

string password;

string command;

cout << "exit/login/register"<<endl<<"Command: ";

cin >> command;

while(command != "exit"){

  if(command == "register"){

    cout << "\n\n"<<endl;

    cout << "Registration"<<endl<<"---------------"<<endl;
```

```cpp
cout <<"register: ";

cin >> user;

cout <<"password: ";

cin >> password;

cout << "\n\n";

cout << "Registered Successfully!"<<endl;

cout << "\n\n";

cout << "exit/login/register"<<endl<<"Command: ";

cin >> command;

login_times = 3;
```

```cpp
while(login_times > 0){

    cout << "\n\n";

    cout << "Login"<<endl<<"_____";

    cout << "\n";

    cout << "login: ";

    cin >> login;

    cout << "Password: ";

    cin >> password_login;

    if(login == user && password_login == password){

        cout << "logged in Successfully!"<<endl;
```

```cpp
        cout << "Welcome"<<user<<"!";

        break;

    }

    else if(login != user && password_login ==
password){

        cout << "username is incorrect!"<<endl;

        login_times--;

    }

    else if(login == user && password_login !=
password){
```

```cpp
        cout << "password is incorrect!"<<endl;

        Login_times--;

}

    else{

        cout << "Everything is incorrect!"<<endl;

        login_times--;

    }

}

    cout << "you have entered wrong details for more
than 3 times, So we have blocked your account!";
```

```
            break;

        }

    }

}
```

Title: C++ Authentication Code

Programming language: C++

Author of code:

Link to the website:
https://codereview.stackexchange.com/questions/27
4707/login-and-register-program

Code Description:

the program ask the user to choice login or register after
user choice and write his username the program will
choice if this user already exist or not than will take him
to next step to write the password and confirm it, after
that the program will save the username and password
in "txt" file. the login will read the username and
password from the same file

#include <iostream>

#include <fstream>

```cpp
#include <sstream>

using namespace std;

//Login function

void login(){

string UserName,Password;

string UseEnter,PassEnter;

bool On_Off = true;

bool Off = true;

int countt = 0;
```

```cpp
int left = 3;



cout << "\n**** Login to your Account **** \n";

while(On_Off){

    //*****************************************

    fstream user;

    user.open("users.txt", ios::in);

    if(countt < 3 && Off && user.is_open()){

        if(countt > 0){

        cout << "\nPassword or UserName are not correct!!" << endl;

        left--;
```

```cpp
        cout << "You have *" << left << "* attempts left \n"
<< endl;


    }


    cout << "Enter UserName: ";


    getline(cin,UseEnter);


    cout << "Enter Password: ";


    getline(cin,PassEnter);


    countt++;


    string read;


//=============================================
===========*


    while(getline(user,read)){
```

```cpp
        stringstream convertor(read);

        convertor >> UserName >> Password;

        if(UseEnter == UserName && PassEnter == Password){

            Off = false;}}


//==============================================
============*

        }

    else if(!Off){

        cout << "\n**** Welcome! ****\n\n";

        user.close();

        On_Off = false;
```

```cpp
    }


    else {

        cout << "\n**** try again later!! **** \n\n";

        user.close();

        On_Off = false;


    }


}


}



// Registry function

void registry(){
```

```cpp
string newName,checkName,newPass,confirmPass;

int MiniPass ;

bool if_ON = true;

bool oo = true;



cout << "\n**** Create New Account **** \n";



//UserName Validation

while(oo){

    cout << "Enter New UserName: ";

    getline(cin, newName);
```

```cpp
MiniPass = newName.length();

fstream yusers;

yusers.open("Users.txt",ios::in);

if(if_ON && MiniPass >= 1 && yusers.is_open()){

    string readd;

    while(getline(yusers,readd)){

        stringstream OnlyUsers(readd);

        OnlyUsers >> checkName;

        if(newName == checkName){

            cout <<"\n*"<< newName <<"* UserName already exists Try another one\n" << endl;

            if_ON = false;
```

```
            }

        }

    yusers.close();

    if(!if_ON){

        if_ON = true;

    }

    else{

        oo = false;

    }

    }

}
```

```cpp
//Password Validation

while(true){

    cout << "Enter New password: ";

    getline(cin,newPass);

    cout << "Confirm the password: ";

    getline(cin,confirmPass);

    MiniPass = newPass.length();



    if (MiniPass < 5){

        cout << "\nYour password is weak at least 5
letters\n \n";

    }
```

```cpp
else if(confirmPass == newPass){

    fstream users;

    users.open("Users.txt",ios::app);

    if(users.is_open()){

        users << newName +" "+ newPass << endl;

        users.close();

    }

    cout << "\n=====================================\n";

    cout << "\nSuccessfully new account created! \n\n";

    cout << "=====================================\n";
```

```cpp
        break;}


    else{


      cout << "\nPassword confirmation not correct! \n"
<< endl;




      }


      }


    login();



}
```

```cpp
int main()

{

//User can choice Login or register by writing <login> or
<register>

string LoR;

cout << "\n***** Login or Register *****\n\n";

cout <<
"===================================\n";

cout << "\n***** Please write (login) or (register)
*****\n\n";
```

```cpp
while(true){



    getline(cin,LoR);


    if(LoR == "login"){


        login();


        break;


    }else if(LoR == "register"){


        registry();


        break;


    }else{


        cout << "\n*Please write (login) or (register) correctly*\n" ;
```

```
        }

    }

    return 0;

}
```

Title: C++ Authentication Code

Programming language: C++

Author of code: Raman Kishore Singh

Link to the website:
https://coderspacket.com/login-and-registration-system-in-c

Code Description:

This code is in C++ that enables the user to register and login into the system. It can be used to manage the data entered by the user.

The project code is in C++ that involves a user registration process by asking username and password. Upon successful registration, a user file is created with the credentials. If the user does not exist, upon login, an error will be shown.

```
#include<bits/stdc++.h>
```

```cpp
using namespace std;


bool is_Logged_In(){

    string username, password, ur_name, ps_word;

    cout<<"Enter Username: ";

    cin>>username;

    cout<<"Enter Password: ";

    cin>>password;


    ifstream myFile;

    myFile.open("data\\" + username + ".txt");
```

```cpp
        getline(myFile,ur_name);

        getline(myFile,ps_word);



        if(ur_name == username && ps_word ==
password){

                return true;

        }else{

                return false;

        }

}

int main(){

        int option;
```

```cpp
        cout<<"1:
Register"<<endl<<"2:Login"<<endl<<"Your Choice: ";

        cin>>option;

        if(option == 1){

                string username, password;

                cout<<"Select a Username: ";

                cin>>username;

                cout<<"Select a Password: ";

                cin>>password;
```

```cpp
        ofstream MyFile;

        MyFile.open("data\\" + username + ".txt");

        MyFile<<username<<endl<<password;

        MyFile.close();



        main();

    }else if(option == 2){

        bool status = is_Logged_In();



        if(!status){

            cout<<"Incorrect Username Or
Password!"<<endl;
```

```cpp
        system("PAUSE");

        return 0;

    }else{

        cout<<"Succesfully Logged In"<<endl;

        system("PAUSE");

        return 1;

    }

  }

}
```