**OBJECT ORIENTED PROGRAMMING**

**PROJECT REPORT**

**LOGIN AND REGISTRATION SYSTEM**

**Developed By:-**

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**Description:-**

In the Login and Registration System a user than register themselves. After the registration the user can log in with their username and password. The system matches the login details with the registered details and allows or denies access according to the correctness of the details. If the user forgets his/her username and password, the account cannot be accessed. The program provides the user the chance to choose between login or registration or exiting the program. The registration data is stored in three separate files. The data is read from these files to match the registration details with the login details of the user.

**Concepts Used:-**

* Classes
* Objects and Functions
* Loops – while loop with switch case
* File handling – istream and ostream
* Various Header files – iostream, fstream, cstring
* Encapsulation

**Source Code:-**

#include <iostream>

#include <fstream>

#include <cstring>

using namespace std;

char regrec[] = "regrecord.txt";

class reg

{

public:

int NewReg(char \*regrec)

{

string username;

string password;

string name;

cout << "\n\n";

cout << "----- Registeration -----" << endl;

cout << "\n";

cout << "Enter new username: ";

cin >> username;

cout << "Set a password: ";

cin >> password;

cout << "Enter name: ";

cin >> name;

ofstream file1;

file1.open("loginuser.txt");

file1 << username << endl;

file1.close();

ofstream file2;

file2.open("loginpass.txt");

file2 << password << endl;

file2.close();

ofstream file3;

file3.open("loginname.txt");

file3 << name << endl;

file3.close();

cout << "\n";

cout << "You have registered successfully!" << endl;

cout << "\n\n";

}

int Login()

{

string un;

string pw;

string username;

string password;

string name;

cout << "\n\n";

cout << "----- Login -----" << endl;

cout << "\n";

cout << "Enter username: ";

cin >> un;

cout << "Enter password: ";

cin >> pw;

ifstream file1;

file1.open("loginuser.txt");

getline(file1, username);

ifstream file2;

file2.open("loginpass.txt");

getline(file2, password);

ifstream file3;

file3.open("loginname.txt");

getline(file3, name);

if (username == un && password == pw)

{

cout << "You have logged in successfully!" << endl;

cout << "Welcome " << name << "!!!";

cout << "\n\n";

return 1;

}

else if (username != un && password == pw)

{

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

}

else if (username == un && password != pw)

{

cout << "The password is incorrect!" << endl;

}

else

{

cout << "Both the username and password are incorrect!" << endl;

}

}

};

int main()

{

reg Obj;

int choice = -1;

while (choice != 0)

{

cout << "\nLogin and Registration";

cout << "\n";

cout << "\n1 - Register";

cout << "\n2 - Login";

cout << "\n0 - Exit.";

cout << "\nEnter your choice: ";

cin >> choice;

switch (choice)

{

case 1:

Obj.NewReg(regrec);

break;

case 2:

Obj.Login();

break;

case 0:

cout << "\nYou have exited the program. Thankyou!! Good Bye.\n ";

cout << "\n";

break;

default:

cout << "\nInvalid choice!";

getchar();

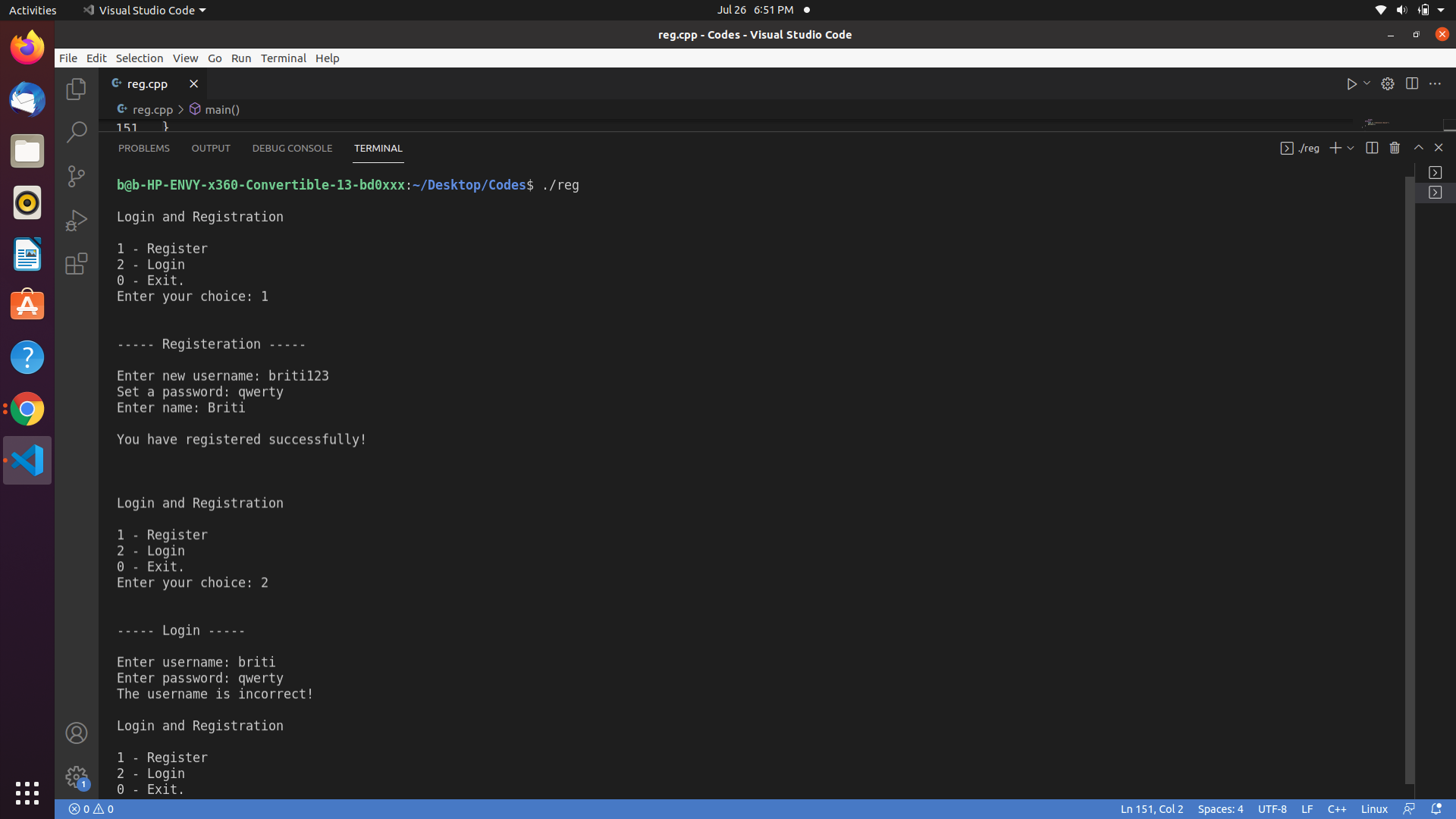
}

}

return 0;

}

**Output:-**

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