```
main.cpp X
            #include <iostream>
#include <fstream>
#include <string>
     1
      3
            using namespace std;
          void registerUser() {
                string username, password;
                cout << "Enter username: ";
    10
11
                cin >> username;
                cout << "Enter password: ";
    12
13
                cin >> password;
    14
15
                ifstream readFile("users.txt");
    16
17
                string fileUser, filePass;
bool userExists = false;
     18
     19
                 while (readFile >> fileUser >> filePass) {
   if (fileUser == username) {
      userExists = true;
}
    20
21
    22
23
24
25
26
27
28
                          break;
                 readFile.close();
                 if (userExists) {
                      cout << "Error: Username already exists. Please try a different username." << endl;</pre>
     29
                     return;
     30
```

```
readfile.close();
if (loginSuccess) {
     cout << "Login successful! Welcome, " << username << "!" << endl;</pre>
} else {
      cout << "Error: Incorrect username or password." << endl;</pre>
main() {
int choice;
while (true) {
     cout << "\n--- User System ---" << endl;
cout << "1. Register" << endl;</pre>
      cout << "2. Login" << endl;</pre>
     cout << "3. Exit" << endl;
     cout << "Enter your choice: ";
     cin >> choice;
     if (choice == 1) {
           registerUser();
     } else if (choice == 2) {
           loginUser();
     } else if (choice == 3) {
           cout << "Exiting program. Goodbye!" << endl;</pre>
          break;
     } else {
           cout << "Invalid choice. Please try again." << endl;
anagement
Projects Files F
             "E:\programimng\task 1\bin\Debug\task 1.exe"
Workspace

task 1

Sources

main.cpp
                - User System ---
Register
               . Negaser.
. Exit
nter your choice: 1
nter username: shahd allam
nter password: Registration successful!
               - User System ---
Register
Login
Exit
ter your choice: 2
ter username: shahd allam
ter password: Login successful! Welcome, shahd!
              -- User System ---
. Register
. Login
. Exit
nter your choice: 3
xiting program. Goodbye!
               ocess returned \theta (\thetax\theta) execution time : 104.147 s ess any key to continue.
              90 return 0;
91 )
```