**TASK 2**

**2.Login and Registration System**

**The login And Registration System project in C++ involves mainly the user registration process. User Credentials like usernames and passwords are asked from the user. If the registration of the user is successful then with the given credentials a file will be created of a particular user in the database.**

**CODE**

#include <fstream>

#include <string>

using namespace std;

void registerUser()

{

string username, password;

cout << "Enter username: ";

cin >> username;

cout << "Enter password: ";

cin >> password;

ofstream file("database.txt", ios::app);

file << username << " " << password << endl;

file.close();

cout << "Registration successful!" << endl;

}

bool loginUser()

{

string username, password, u, p;

cout << "Enter username: ";

cin >> username;

cout << "Enter password: ";

cin >> password;

ifstream file("database.txt");

while (file >> u >> p) {

if (u == username && p == password)

{

file.close();

return true;

}

}

file.close();

return false;

}

int main()

{

int choice;

cout << "1. Register\n2. Login\nEnter your choice: ";

cin >> choice;

if (choice == 1)

{

registerUser();

} else if (choice == 2)

{

if (loginUser())

{

cout << "Login successful!" << endl;

} else {

cout << "Invalid credentials!" << endl;

}

} else

{

cout << "Invalid choice!" << endl;

}

return 0;

}

**OUTPUT**

 

