CODE ALPHA

C ++ PROGRAMMING

TASK#02

#include <iostream>

#include <fstream>

#include <string>

using namespace std;

void registerUser(string username, string password) {

string filename = username + ".txt"; // Check if the file already exists by attempting to open it

ifstream checkFile(filename);

if (checkFile.is\_open()) {

cout << "Username already taken. Please choose a different username." << endl;

checkFile.close();

return;

}

ofstream userFile(filename);

userFile << password;

userFile.close();

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

}

bool loginUser(string username, string password) {

ifstream userFile(username + ".txt");

if (!userFile.is\_open()) {

cout << "User does not exist. Please register first." << endl;

return false;

}

string storedPassword;

getline(userFile, storedPassword);

userFile.close();

if (storedPassword == password) {

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

return true;

} else {

cout << "Incorrect password." << endl;

return false;

}

}

int main() {

int choice;

string username, password;

cout << "1. Register\n2. Login\nChoose an option: ";

cin >> choice;

cout << "Enter username: ";

cin >> username;

cout << "Enter password: ";

cin >> password;

if (choice == 1) {

registerUser(username, password);

} else if (choice == 2) {

loginUser(username, password);

} else {

cout << "Invalid choice." << endl;

}

return 0;

}

RESULT:

