

Question #82892

Write a program that prompts for the name and password for three times of a user. The program displays "Congratulations, you are logged in." if the user enters the correct password or "Wrong password. Try Again." for a wrong password on which it displays "Sorry, your account is locked, contact the system administrator." if all the three attempts are wrong.

Use C programming language

Answer:

```
#include <stdio.h>
#include <string.h>

// define correct user password
const char password[256] = "abracadabra";

int main()
{
    char user_name[256], user_password[256];
    int attempts = 1; // number of attempts
    int password_cmp = 1; // comparision result

    // read the user name
    printf("Enter user name: ");
    scanf("%s", &user_name);

    printf("Enter the password: ");

    // loop password prompts
    while (password_cmp != 0 && attempts <= 3) {
        scanf("%s", &user_password); // read the password
        // compare the correct password and user input
        password_cmp = strcmp(password, user_password);

        if (password_cmp != 0 && attempts < 3) {
            printf("Wrong password. Try Again: ");
        }
        attempts++;
    }

    if (password_cmp == 0) { // correct password entered
        printf("Congratulations, you are logged in.");
    }
    else { // wrong passwords entered
        printf("Sorry, your account is locked, contact the system administrator.");
    }
}
```

```
    }  
  
    return 0;  
}
```

Screenshot

```
E:\google\GF>gcc login.c -o login.exe  
  
E:\google\GF>login.exe  
Enter user name: user1  
Enter the password: abracadabra  
Congratulations, you are logged in.  
E:\google\GF>login.exe  
Enter user name: user2  
Enter the password: pwd  
Wrong password. Try Again: asd  
Wrong password. Try Again: 1234567890  
Sorry, your account is locked, contact the system administrator.  
E:\google\GF>login.exe  
Enter user name: user3  
Enter the password: qwerty  
Wrong password. Try Again: abracadabra  
Congratulations, you are logged in.
```