

User Authentication and Signup

Sample Inputs and Outputs

When Username does not exist in file will ask for signup if user prompt yes then the Login Process is initiated

```
Enter username:
Rithish Kanna S
Enter password:
rk@123
Username not found. Would you like to sign up? (yes/no)
yes
Signup successful! You can now log in with your new credentials.
Enter username:
Rithish Kanna S
Enter password:
rk@123
Login successful! Welcome Rithish Kanna S
```

When the Password is Incorrect Then User will be allowed to re-enter the Username and Password.

```
Enter username:
Rithish Kanna S
Enter password:
rk@12
Password is incorrect. Please try again.
Enter username:
Rithish Kanna S
Enter password:
rk@34
Password is incorrect. Please try again.
Enter username:
Rithish Kanna S
Enter password:
rk@123
Login successful! Welcome Rithish Kanna S
```

When the account does not exist: "Username not found." and When the user does not want to sign up after being prompted: "User chose not to sign up"

```
Enter username:
Rakesh
Enter password:
2345rk
Username not found. Would you like to sign up? (yes/no)
no
Goodbye!
```

When the user Signup and when enters Wrong password will be allowed to reenter the password.

```
Enter username:
Ramesh
Enter password:
2345@1
Username not found. Would you like to sign up? (yes/no)
yes
Signup successful! You can now log in with your new credentials.
Enter username:
Ramesh
Enter password:
2345@2
Password is incorrect. Please try again.
Enter username:
Ramesh
Enter password:
2345@1
Login successful! Welcome Ramesh
```

File – users.txt

```
Exercise1_Design_Patterns > Creational > Singleton > users.txt
1  Rithish Kanna S,rk@123
2  Ramesh,2345@1
```