

# Assignment 1

## Registration and Login system using Python, file handling

### Stage -- 1

#### Registration

When the user chooses to **Register**

---> email/username should have "@" and followed by "."

eg:- sherlock@gmail.com

nothing@yahoo.in

---> it should not be like this

eg:- @gmail.com

there should not be any "." immediate next to "@"

**eg:- my@.in**

**it should not start with special characters  
and numbers**

**eg:- 123#@gmail.com**

**---> password (5 < password length < 16)**

**Must have minimum one special character,  
one digit,  
one uppercase,  
one lowercase character**

## **Stage 2**

***Once the* username and password are validated,  
store that data in a file**

## **Stage 3**

**Login**

When the user chooses to **Login**, check whether his/her credentials exist in the file or not based on the user input.

If it doesn't exist then ask them to go for **Registration** or

If they have chosen **forget password** *you should be able to retrieve their original password based on their username provided in the user input or else you can ask them to provide a new password*

*(only if their username matches with the data exists in the file)*

*If nothing matches in your file you should ask them to **Registration***

*(Since they don't have an account)*

**Note:-** *This task has to be accomplished using Python alone. No web.*