

# Assignment 7

## File 1 - The module

- Create a module named login.
- In this module write a function named `auth` that has two parameters: one for a user name and another for a password.
- In the function, use the text file provided to check the user name and password and return a string.
  - If the user name and password are correct, return the string "success"
  - If the user name is bad, return the string "no user"
  - If the user name is correct but the password is not, return the string "bad pass"
- Write a second function named `add_user` that has two parameters: one for a user name and another for a password. This function will add the new user name and password to the file. Maintain the same format in the file with the user name space colon space password.
- The module should contain nothing other than these two functions.
- Don't forget to put the user list in the same directory and the module

## File 2 - The test

- Create a second Python py file named user.
- Import the module created in File 1
- Prompt the user for a user name
- Prompt the user for a password
- Send this information to the `auth` function
  - If the `auth` function returns "success", display a message saying "Login successful"
  - If the password is bad, prompt the user for a new password
    - Limit the number of bad passwords to 3. After 3 failed attempts, the program exits with a message saying the user's account has been locked.
  - If the user name doesn't exist, ask the user if they want to create an account
    - If yes, add the new user to the file with the `add_user` function
    - If no, say goodbye to the user
- No functions should be in File 2, only calls to the functions in the login module