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Batch :** [**Batch - 6 (MTF) - Batch 2027**](https://classroom.google.com/c/Nzk5OTY1NzU1NzE4) **Batch Time: 12:10 PM**

students\_data = [] #list storing all data

FIELDS = ["Username", "Password", "Full Name", "Email",

"Phone Num","DOB", "Address",

"Course", "Enrollment Year", "Student ID"]

logged\_user = '' #global variable

logged = False #global variable

def register() :

print("\nNew Student Registration\n")

new\_student = {} #studnet data dictionary

for field in FIELDS :

value = input(f"Enter {field} : ")

new\_student[field] = value

for student in students\_data: #if username already present

if student["Username"] == new\_student["Username"]:

print("\nUsername not available")

return

students\_data.append(new\_student)

print("\nRegistration successful")

def login():

global logged, logged\_user #global needed to modify values

print("\nStudent Login\n")

username = input("Enter username : ")

password = input("Enter password : ")

for student in students\_data:

if student["Username"] == username and student["Password"] == password:

logged = True

logged\_user = username

print(f"\nLogin successful, Welcome {username}")

return

print("\nError: Invalid username or password\n")

def show\_profile():

if logged == False : #no need for global for accessing values

print("\nPlease log in")

return

print(f"\nProfile details of {logged\_user}\n")

for student in students\_data:

if student["Username"] == logged\_user:

for key, value in student.items():

if key == "Password" : #hide pass

print("Password : \*\*\*\*\*\*\*\*")

else :

print(f"{key}: {value}")

return

def update\_profile():

if logged == False :

print("\nPlease log in")

return

print("\nUpdate Your Profile\n")

for student in students\_data:

if student["Username"] == logged\_user:

field\_update = input("Enter Field to update : ")

if field\_update in student:

new\_value = input(f"Enter new value for {field\_update} : ")

student[field\_update] = new\_value

print("\nProfile updated\n")

else:

print("\nInvalid field\n")

return

def logout():

global logged, logged\_user

if logged == True :

print(f"{logged\_user} is logged out")

logged = False

logged\_user = ''

else:

print("You are not logged in")

def terminate():

"""Exits the program."""

print("Exiting program.")

exit()

def main():

while True: #program loop

print("\nWELCOME TO LNCT\n")

if logged == True :

print(f"(Logged in as: {logged\_user})")

response = input(

"OPTIONS\n\n"

"1 - Register\n"

"2 - Login\n"

"3 - Show Profile\n"

"4 - Update Profile\n"

"5 - Logout\n"

"6 - Exit\n"

"\nChoose option number: ")

if response == '1': register()

elif response == '2': login()

elif response == '3': show\_profile()

elif response == '4': update\_profile()

elif response == '5': logout()

elif response == '6': terminate()

else:

print("Invalid Choice, please try again.")

main()