**Lab 02 – Rajkumar B L [2047120]**

# -\*- coding: utf-8 -\*-

"""

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MSC.Cs - 1st Year

"""

#%%

user\_info={"raj":"raj123", "hareesma" : "hareesma123" , "admin" : "admin123"}

pass\_retr\_ques={"raj":["Your pet name? ", "raju bhai"],

"hareesma":["Your pet name? ", "hari"]}

def sign\_in(username,password):

attempt = 0

login = False

while(attempt<3 and (not login)):

if username in user\_info:

user\_pass = user\_info.get(username)

if user\_pass == password:

\_\_logged\_in(username, password)

login = True

else:

attempt += 1

print("Authentication Failure!")

password = input("Enter Password again: ")

else:

attempt += 1

print("Authentication Failure!")

username = input("Enter username again: ")

password = input("Enter password again: ")

if (attempt == 3):

\_\_pass\_retr()

#End-Note

print("\n=======================================")

print("| Have a nice day |")

print("=======================================")

#Helper-Method 1

def \_\_logged\_in(username, password):

if username == "admin":

print("Login Successfull - ",username)

print("=======================================")

print(" Displaying all user details ")

print("=======================================")

for user in user\_info:

if(not user == "admin"):

print("Username:",user,"\tPassword:",user\_info.get(user))

print("=======================================")

else:

print("=======================================")

print(" Login Successfull - ",username)

print("=======================================")

choice = input("Would you like to change the password? y/N --> ")

valid\_choice = False

while(not valid\_choice):

if choice == 'y' or choice == 'Y':

valid\_choice = True

new\_user\_pass=input("Enter new password: ")

user\_info[username]=new\_user\_pass

if user\_info.get(username) == new\_user\_pass:

print("Password changed Succesfully!")

elif choice == 'n' or choice == 'N':

valid\_choice = True

print("Thank you",username)

else:

choice=input("Invalid choice! Try again with y/N --> ")

#Helper-Method 2

def \_\_pass\_retr():

print("\n=======================================")

print("| Password Retrieval |")

print("=======================================")

username = input("Enter username: ")

if username in pass\_retr\_ques and username in user\_info:

user\_ans= input(pass\_retr\_ques.get(username)[0])

crct\_ans = pass\_retr\_ques.get(username)[1]

if user\_ans == crct\_ans:

print(username,"your password is:",user\_info.get(username))

\_\_logged\_in(username, crct\_ans)

else:

print("Sorry, Bad Luck",username)

else:

print("Not vaid username. Better luck next time!")

#%%