!pip install mysqlclient

import string

import sqlalchemy as sql

from sqlalchemy import create\_engine

from sqlalchemy.sql import text

import ipywidgets as ipw

global c

global engine

def apriConnessione(username,password):

connection\_string = "mysql://utente128:d1r0mp3nt3@90.147.166.237/db128"

engine = create\_engine(connection\_string)

return engine.connect()

def chiudiConnessione(c):

c.close()

def ModificaEmail(nome\_email):

if int(nome\_email)== 1:

sql = """UPDATE Passeggero

SET

email = 'Altera.Fabio@gmail.com'

WHERE

ID\_pass = 'P00011'"""

rs = c.execute(text(sql))

results = rs.fetchall()

if int(nome\_email)==2:

sql="""UPDATE Passeggero

SET

email = 'F.Altera@gmail.com'

WHERE

ID\_pass = 'P00011'"""

rs = c.execute(text(sql))

results = rs.fetchall()

if int(nome\_email)==3:

sql = """UPDATE Passeggero

SET

email = 'Altera@gmail.com'

WHERE

ID\_pass = 'P00011'"""

rs = c.execute(text(sql))

results = rs.fetchall()

return print("inserimento andato a buon fine")

def CambioSede(Nome\_sede):

if int(Nome\_sede)==4 :

sql2 ="""UPDATE Impiegati

SET

office = 'Napoli'

WHERE type\_of\_contract = 'a tempo indeterminato'

AND ID\_dip IN (SELECT

ID\_dip

FROM

Dipendenti

WHERE

ID\_dip like '%1' or ID\_dip like '%2'

or ID\_dip like '%3')"""

if int(Nome\_sede)==5 :

sql2 ="""UPDATE Impiegati

SET

office = 'Firenze'

WHERE type\_of\_contract = 'a tempo indeterminato'

AND ID\_dip IN (SELECT

ID\_dip

FROM

Dipendenti

WHERE

ID\_dip like '%1' or ID\_dip like '%2'

or ID\_dip like '%3')"""

if int(Nome\_sede)==6 :

sql2 ="""UPDATE Impiegati

SET

office = 'Bologna'

WHERE type\_of\_contract = 'a tempo indeterminato'

AND ID\_dip IN (SELECT

ID\_dip

FROM

Dipendenti

WHERE

ID\_dip like '%1' or ID\_dip like '%2'

or ID\_dip like '%3')"""

rs = c.execute(text(sql2))

results = rs.fetchall()

return print("Cambio sede andato a buon fine")

def ViaggioFedelta(nome\_viaggio):

if int(nome\_viaggio) == 7:

sql3 = """Insert into Prenotazione values ('sedr', (SELECT

ID\_pass

FROM

Programma\_fedelta

WHERE

points = (SELECT

points

FROM

Programma\_fedelta where points = (select max(points) from Programma\_fedelta))),Null,'ADM34',1,2,'si','premium')"""

if int(nome\_viaggio) == 8:

sql3 = """Insert into Prenotazione values ('sedr', (SELECT

ID\_pass

FROM

Programma\_fedelta

WHERE

points = (SELECT

points

FROM

Programma\_fedelta where points = (select max(points) from Programma\_fedelta))),Null,'ALR78',1,2,'si','premium')"""

if int(nome\_viaggio) == 9:

sql3 = """Insert into Prenotazione values ('sedr', (SELECT

ID\_pass

FROM

Programma\_fedelta

WHERE

points = (SELECT

points

FROM

Programma\_fedelta where points = (select max(points) from Programma\_fedelta))),Null,'GYD98',1,2,'si','premium')"""

rs = c.execute(text(sql3))

results = rs.fetchall()

return print("Viaggio confermato")

def on\_bt1\_click(bt):

Nemail= ipw.Select(

options=[('Altera.Fabio@gmail.com',1),('F.Altera@gmail.com',2),('Altera@gmail.com',3)],

description="Selezionare la nuova e-mail",

disabled=False,

ensure\_option=True

)

display(Nemail)

btcerca = ipw.Button(

description='Conferma Email',

disabled=False,

button\_style='',

tooltip='Click me',

icon='check'

)

display(btcerca)

btcerca.on\_click(lambda button: ModificaEmail(Nemail.value))

def on\_bt2\_click(bt):

Nsede= ipw.Select(

options=[('Napoli',4),('Firenze',5),('Bologna',6)],

description="Seleziona",

disabled=False,

ensure\_option=True

)

display(Nsede)

inseriscibt = ipw.Button()

inseriscibt.description = 'Conferma il cambio sede'

display(inseriscibt)

inseriscibt.on\_click(lambda button: CambioSede(Nsede.value))

def on\_bt3\_click(bt):

Nviaggio= ipw.Select(

options=[('Milano-Parigi',7),('Venezia-Graz',8),('Milano-Berlino',9)],

description="Seleziona",

disabled=False,

ensure\_option=True

)

display(Nviaggio)

inseriscibt = ipw.Button()

inseriscibt.description = 'Conferma il viaggio'

display(inseriscibt)

inseriscibt.on\_click(lambda button: ViaggioFedelta(Nviaggio.value))

def on\_accedi\_click(bt, utente, password):

global c

c = apriConnessione(utente, password)

print("Scegliere la funzione richiesta:")

bt1 = ipw.Button(

description="Modifica e-mail",

disabled=False,

button\_style="",

tooltip="Click me",

icon="check"

)

bt2 = ipw.Button()

bt2.description='Cambia Sede'

bt3 = ipw.Button()

bt3.description='Scegli il viaggio'

display(bt1)

display(bt2)

display(bt3)

bt1.on\_click(on\_bt1\_click)

bt2.on\_click(on\_bt2\_click)

bt3.on\_click(on\_bt3\_click)

def on\_login\_click(bt):

tUsername = ipw.Text(

placeholder="Type your username",

description="Username:",

disabled=False

)

tPassword = ipw.Password(

placeholder="Type your password",

description="Password",

disabled=False

)

btAccedi = ipw.Button(

description="Accedi",

disabled=False,

button\_style="",

tooltip="Click me",

icon="check"

)

display(tUsername)

display(tPassword)

display(btAccedi)

btAccedi.on\_click(lambda button: on\_accedi\_click(btAccedi,tUsername.value,tPassword.value))

def on\_EXIT\_click(bt):

chiudiConnessione(c)

print('la connessione è stata chiusa, per utilizzare nuove funzioni ricliccare LOGIN')

btLI=ipw.Button()

btLI.description='LOGIN'

btEXIT=ipw.Button()

btEXIT.description='EXIT'

display(btLI)

btLI.on\_click(on\_login\_click)

print('premere il tasto exit per disconnettersi')

display(btEXIT)

btEXIT.on\_click(on\_EXIT\_click)