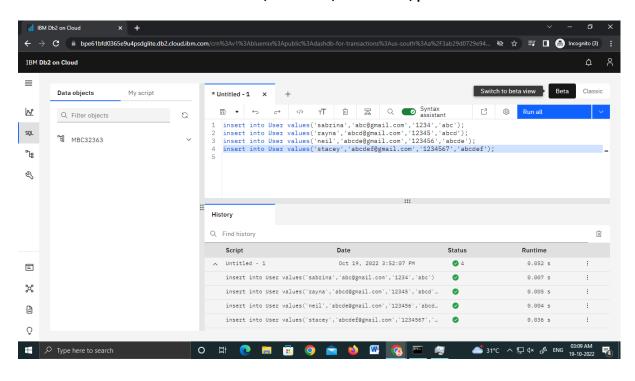
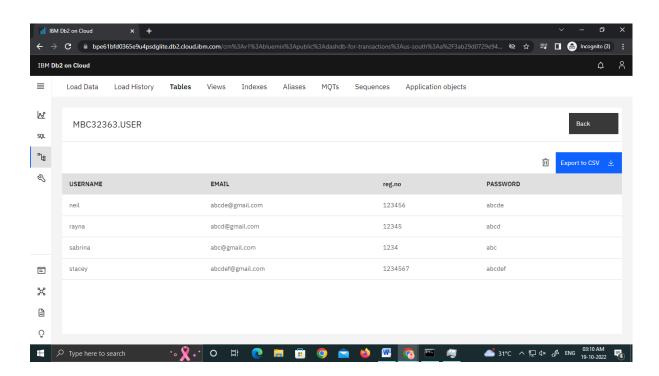
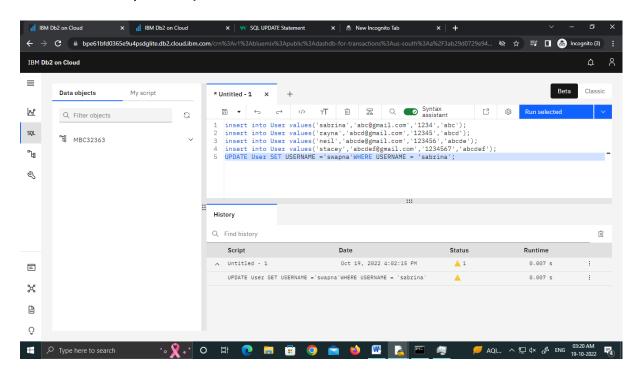
IBM ASSIGNMENT II

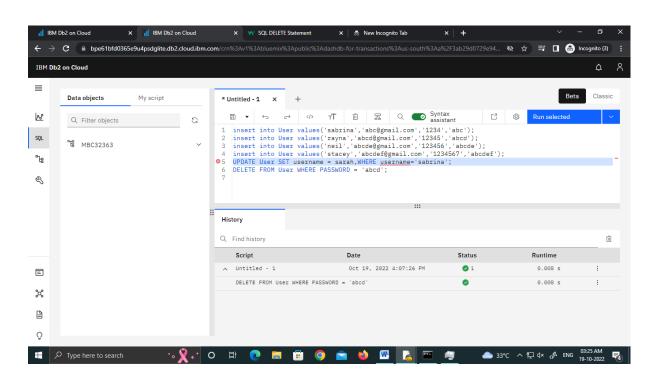
1. Create User table with user with email, username, roll number, password.





2. Perform UPDATE, DELETE Queries with user table.





3. Connect python code to db2.

```
App.py from flask import Flask, render_template, request, redirect, url_for, session
import ibm_db
import re app = Flask(__name__)
app.secret_key = 'a'
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=6667d8e9-9d4d-4ccb-ba32-
21da3bb5aafc.c1ogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=30376;SECURITY
=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID=tbl66129;PWD=LPzyHjRGcm XprQoN",",")
@app.route('/', methods =['GET', 'POST'])
def register():
       msg = "
       if request.method == 'POST':
       username = request.form['username']
       email = request.form['email']
       password = request.form['password']
       sql = "SELECT * FROM users WHERE username =?"
       stmt = ibm_db.prepare(conn, sql)
       ibm_db.bind_param(stmt,1,username)
       ibm db.execute(stmt)
       account = ibm_db.fetch_assoc(stmt)
       print(account)
       if account:
               msg = 'Account already exists!'
       elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
               msg = 'Invalid email address!'
       elif not re.match(r'[A-Za-z0-9]+', username):
               msg = 'name must contain only characters and numbers !'
```

```
insert_sql = "INSERT INTO users VALUES (?, ?, ?)"
              prep_stmt = ibm_db.prepare(conn, insert_sql)
              ibm_db.bind_param(prep_stmt, 1, username)
              ibm_db.bind_param(prep_stmt, 2, email)
              ibm_db.bind_param(prep_stmt, 3, password)
              ibm_db.execute(prep_stmt)
              msg = 'You have successfully registered!'
       elif request.method == 'POST':
              msg = 'Please fill out the form!'
       return render_template('register.html', msg = msg)
if __name__ == '__main__':
       app.run(debug = True)
       register.html
       <!DOCTYPE html>
       <html>
       <body>
       <center><h1>ASSIGNMENT 2</H1></CENTER>
       <center><h2>REGISTERATION</h2></center>
       <form action="http://localhost:5000"method="POST">
       <P>Enter username:
       <input type="text" name="username"/>
       Enter mail:
       <input type="email"name="email"/>
       Enter password:
       <input type="password"name="password"/>
```

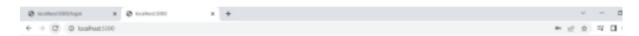
else:



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4. Create a flask app with registration page, login page and welcome page. By default load the registration page once the user enters all the fields, store the data in the database and navigate to the login page to authenticate user username and password. If the user is valid show the welcome page.

html			
<html></html>			
<body></body>			
<center><h1>ASSIGNMENT 2</h1></center>			
<center><h2>REGISTRATION</h2></center>			
<form action="http://localhost:5000" method="POST"></form>			
<p>Enter username:</p>			
<input name="username" type="text"/>			
Enter mail:			
<input name="email" type="email"/>			
Enter password:			
<input name="password" type="password"/>			
<input type="submit" value="Submit"/>			
{{msg}}			
Ø tocahect5000/topin x Ø tocahect5000 x		v	- 0
← → C © localhest5000	g+ 15	章	7 O
ASSIGNMENT 2			
REGISTRATION			
Exter outcreated: Nikitheshwent			
Enter mail:			
natrice@great.com			
Enter password:			
Submi			



ASSIGNMENT 2 REGISTRATION

Enter months

Enter months

Enter months

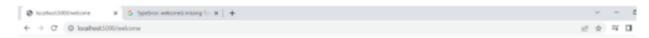
Enter passwood:

Submit

You have successfully registered !







WELCOME

You have successfully logged in!