# ASSIGNMENT 2

| | |
|---|---|
| Name | Kiruthiga S |
| Team ID | PNT2022TMID29541 |
| Project Name | Nutrition Assistant Application |

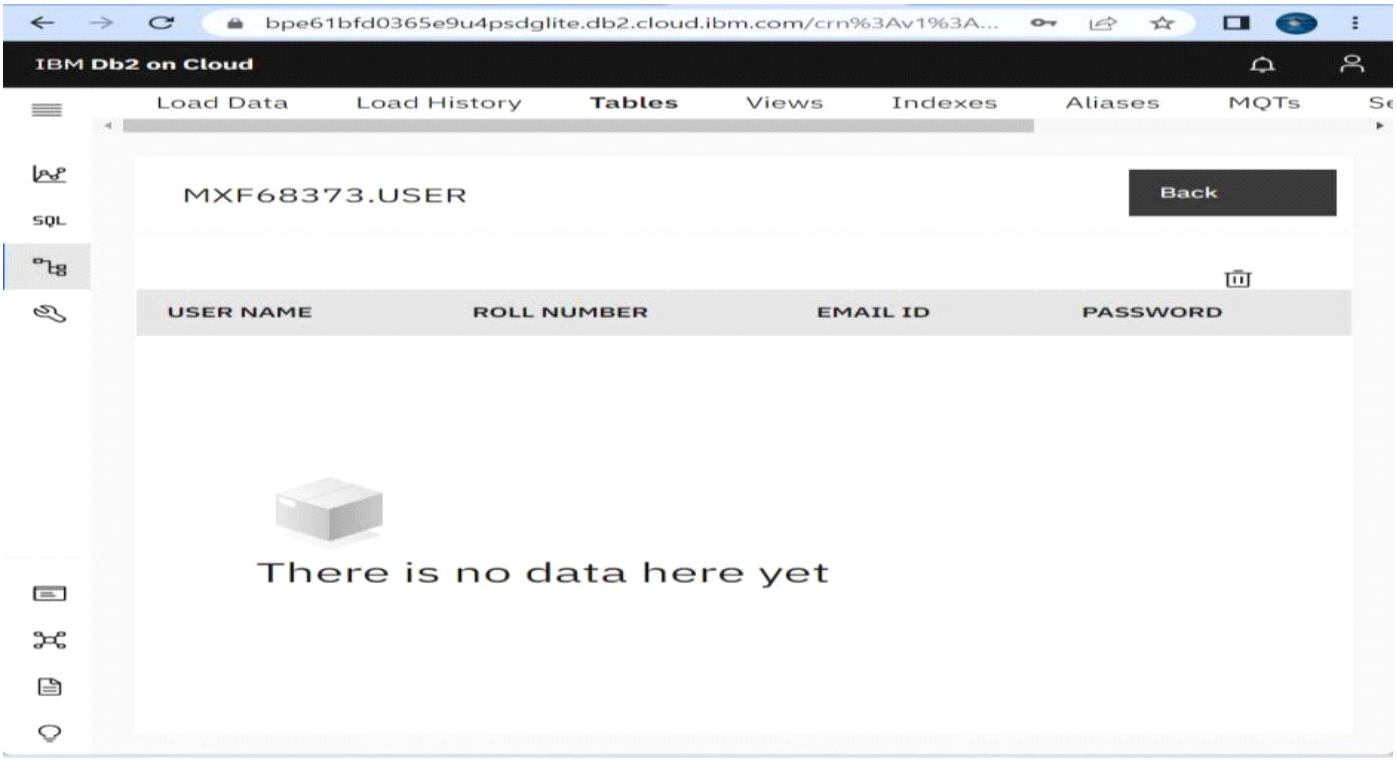
Questions:

- Create a user table with user with email, username, password, roll no
- Perform update, and delete queries with user table
- Connect python code to database2
- 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 database and navigate to login page authenticate user username and password if the user is valid show the welcome page.

Answers:

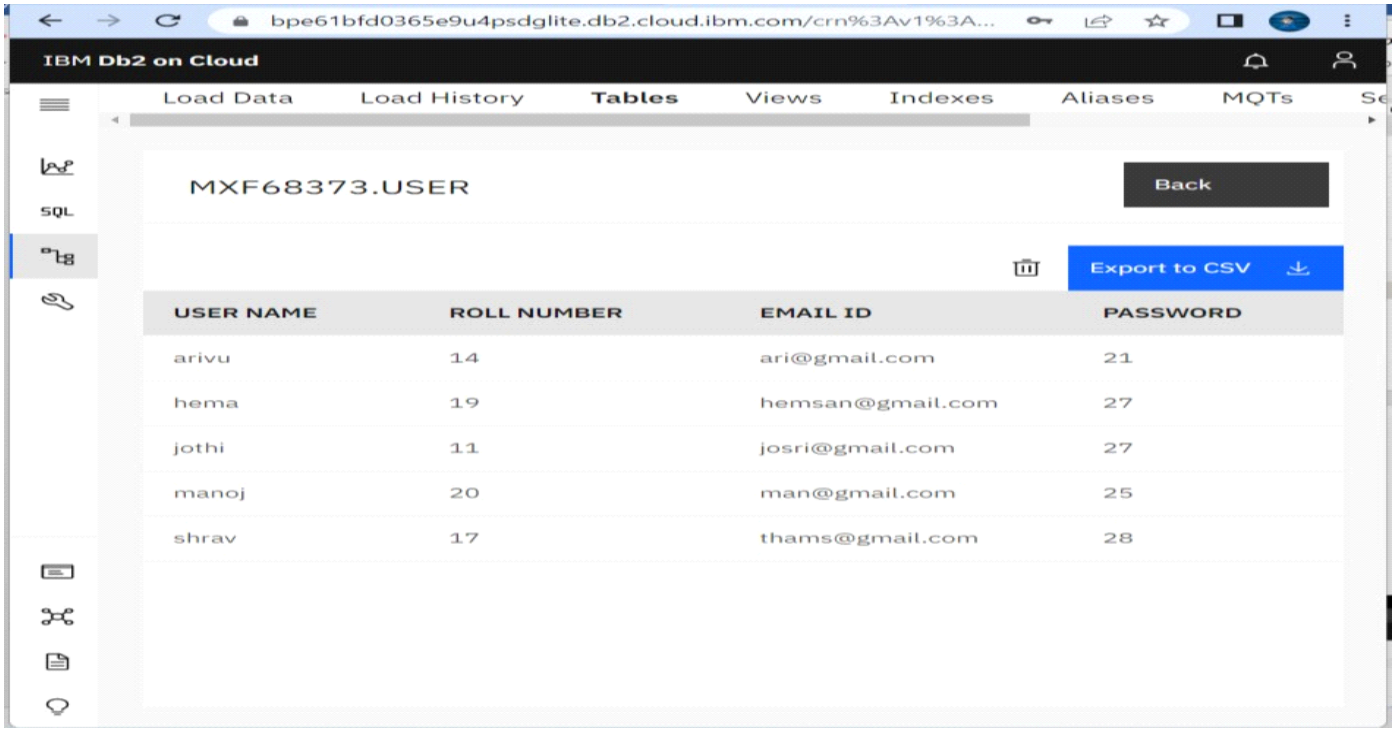
- CREATE TABLE users(

```
username char(32),
roll_number varchar(32),
email varchar(32),
password varchar(32)
);
```



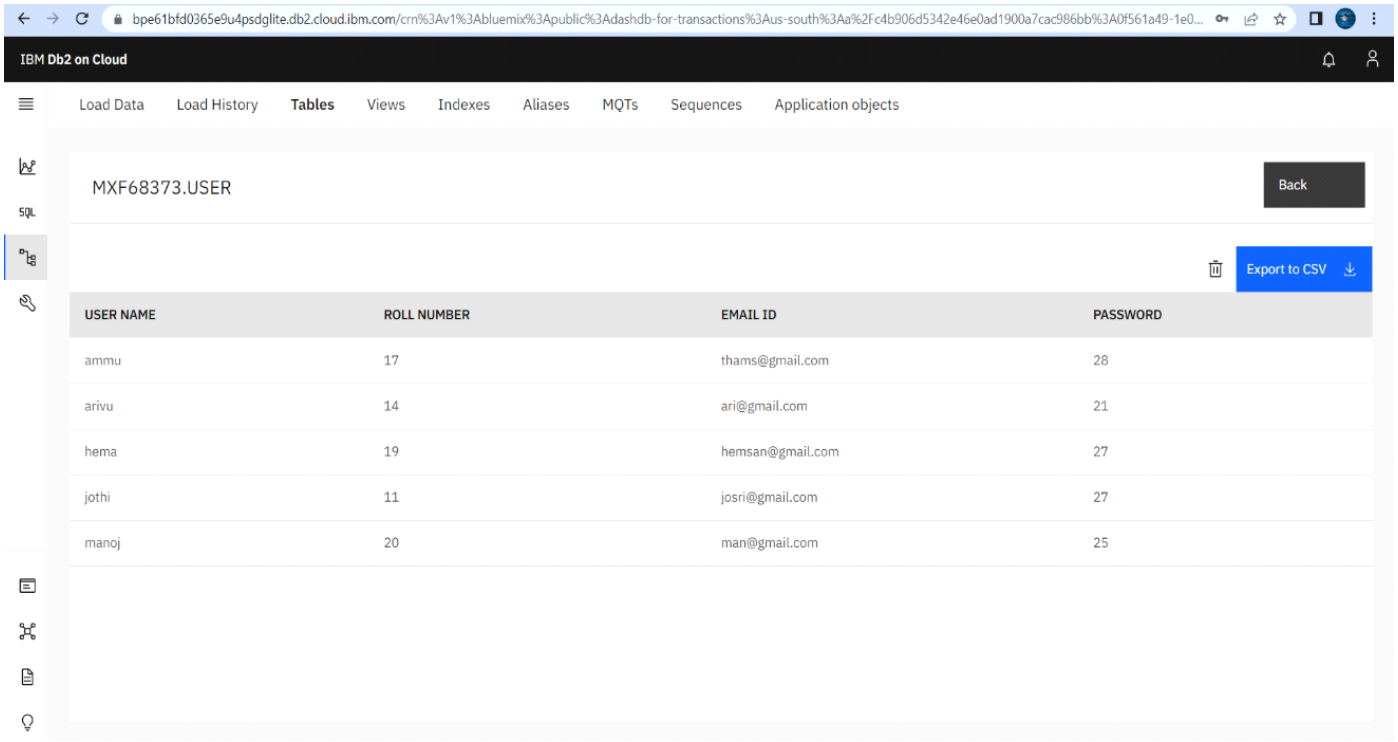

- Insert Table

  insert into user values('jothi',11,'josri@gmail.com',27);
  insert into user values('arivu',14,'ari@gmail.com',21); insert
  into user values('shrav',17,'thams@gmail.com',28); insert
  into user values('hema',19,'hemsan@gmail.com',27); insert
  into user values('manoj',20,'man@gmail.com',25);



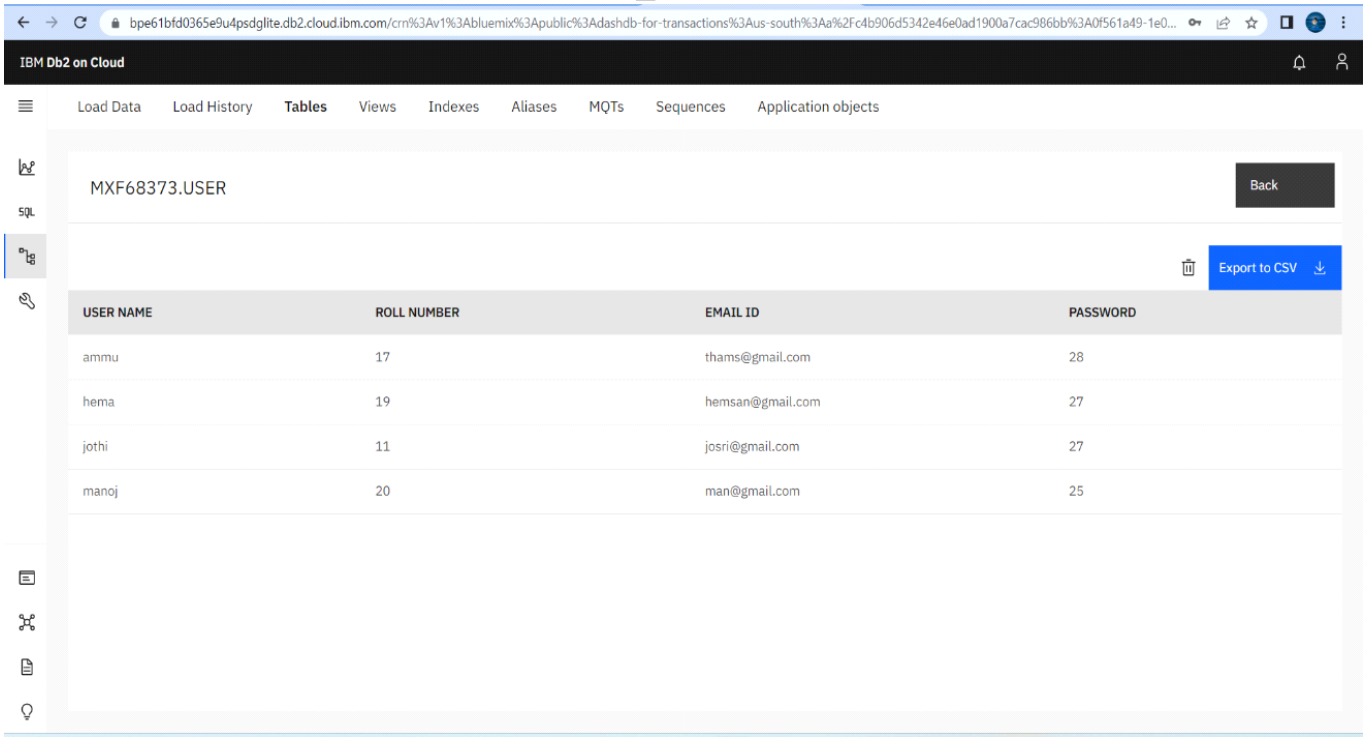

UPDATE TABLE:

update users (SET username='ammu' WHERE roll_number='17');



DELETE TABLE:

delete from users (WHERE roll_number='14');




- Connect python code to database2:

conn = ibm db.connect(DATABASE=bludb;
HOSTNAME= 1bbf73c5-d84a-4bb0-85b9-ab1a4348f4a4.c3n41cmd0nqnrk39u98g.databases.appdomain.cloud;

PORT: 32286; SECURITY=SSL;ServercertificateC:\Users\Dell\Desktop\job;
UID=mqc88974";PWD=mbf14fY4F8mTNrXJ;)

4.

from flask import Flask, render template, request, redirect, url for, session
from flask mysqldb import MySQL import MySQLdb.cursors
import reapp = Flask( name )
app.secret key= 'your secret key'
app.config['MYSQL HOST'] ='localhost'
app.config['MYSQL USER'] = 'root' app.config['MYSQL

```
PASSWORD'] = 'your password' app.config['MYSQL
DB'] = 'geeklogin'
mysql =MySQL(app)
@app.route('/')
@app.route('/login', methods =['GET', 'POST'])
def login():
msg = "ifrequest.method == 'POST' and 'username' in request.form and
'password' in request.form:
username = request.form['username']
password = request.form['password']
cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)
cursor.execute('SELECT * FROM accounts WHERE username = % s
AND password = % s', (username, password,
)) account = cursor.fetchone()

session['loggedin'] = True session['id']
= account['id']
session['username'] = account['username']
msg = 'Logged in successfully !'
return render template('index.html', msg = msg)
else:
msg = 'Incorrect username / password !'

return render template('login.html', msg = msg)
@app.route('/logout') def
logout():

session.pop('loggedin', None)
session.pop('id', None)
session.pop('username', None) return
redirect(url for('login'))
@app.route('/register', methods =['GET', 'POST']) def
register():
msg = "
```

```
if request.method == 'POST' and 'username' in request.form and 'password'
in request.form and 'email' in request.form :
username = request.form['username']
password = request.form['password'] email =
request.form['email']
cursor = mysql.connection.cursor(MySQLdb.cursors.DictCursor)
cursor.execute('SELECT * FROM accounts WHERE username = % s',
(username, ))
account = cursor.fetchone()

msg = 'Account already exists !'
elif not re.match(r'[^@]+@[^@]+\.[^@]+', email):
msg = 'Invalid email address !' elif not re.match(r'[A-Za-z0-
msg = 'Username must contain only characters
elif not username or not password or not email:
msg = 'Please fill out the form !'
else:
cursor.execute('INSERT INTO accounts VALUES (NULL, % s,
% s, % s)', (username, password, email, ))
mysql.connection.commit()
msg = 'You have successfully registered !'
elif request.method == 'POST':
msg = 'Please fill out the form !' return render
template('register.html', msg = msg) 9]+',
username):
and numbers !
```