ASSIGNMENT 2

|  |  |
| --- | --- |
| Name | Devadharshini V |
| Team ID | PNT2022TMID29529 |
| Project Name | Inventory Management System  for Retailers |

Questions:

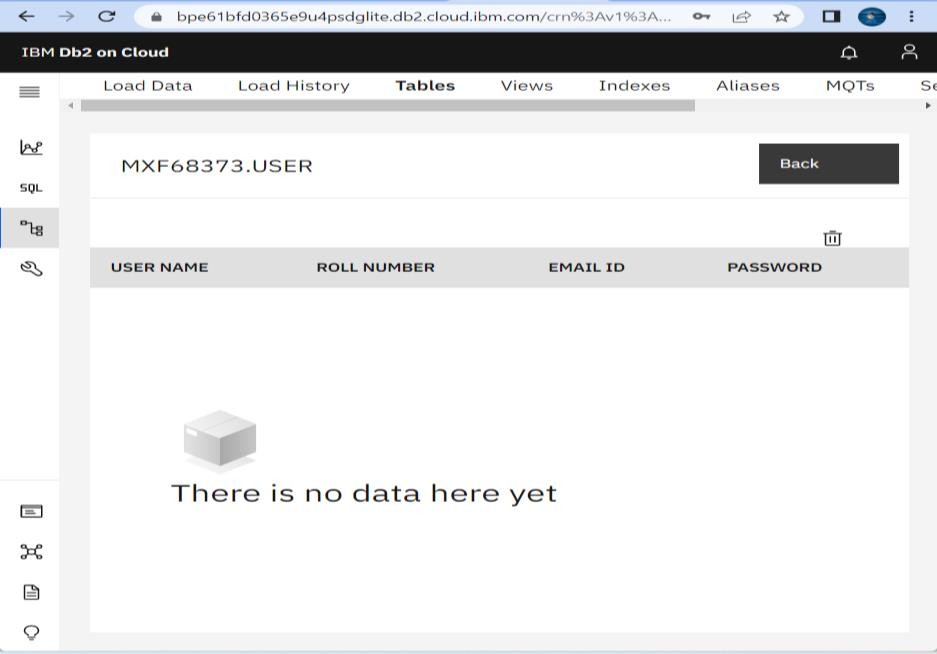
1. Create a user table with user with email, username, password, roll no
2. Perform update, and delete queries with user table
3. Connect python code to database2
4. Create a flask app with registration page, login page, and welcome page by default load the registration page once the user enters all the fields store the data in database and navigate to login page authenticate user username and password if the user is valid show the welcome page.

Answers:

1. CREATE TABLE users(

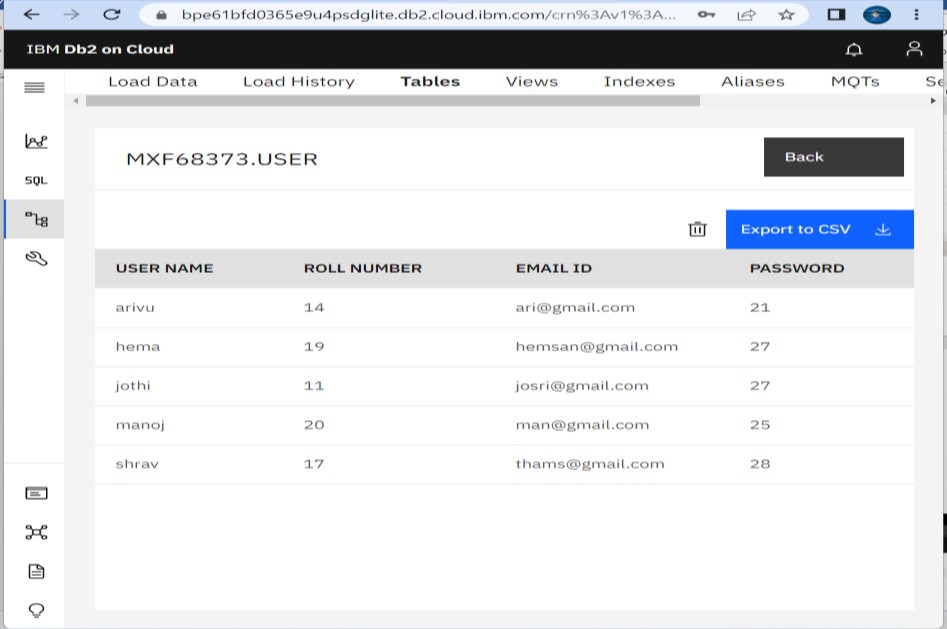
username char(32), roll\_number varchar(32), email varchar(32), password varchar(32)

);



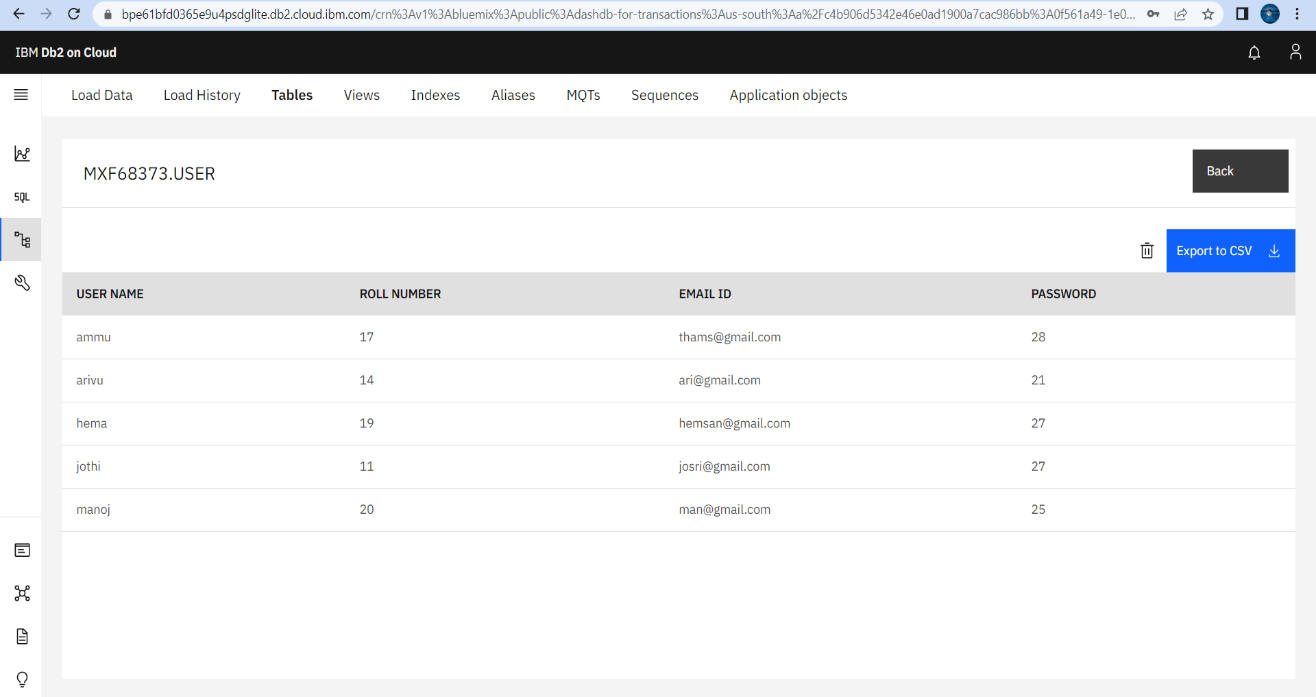
1. Insert Table

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);



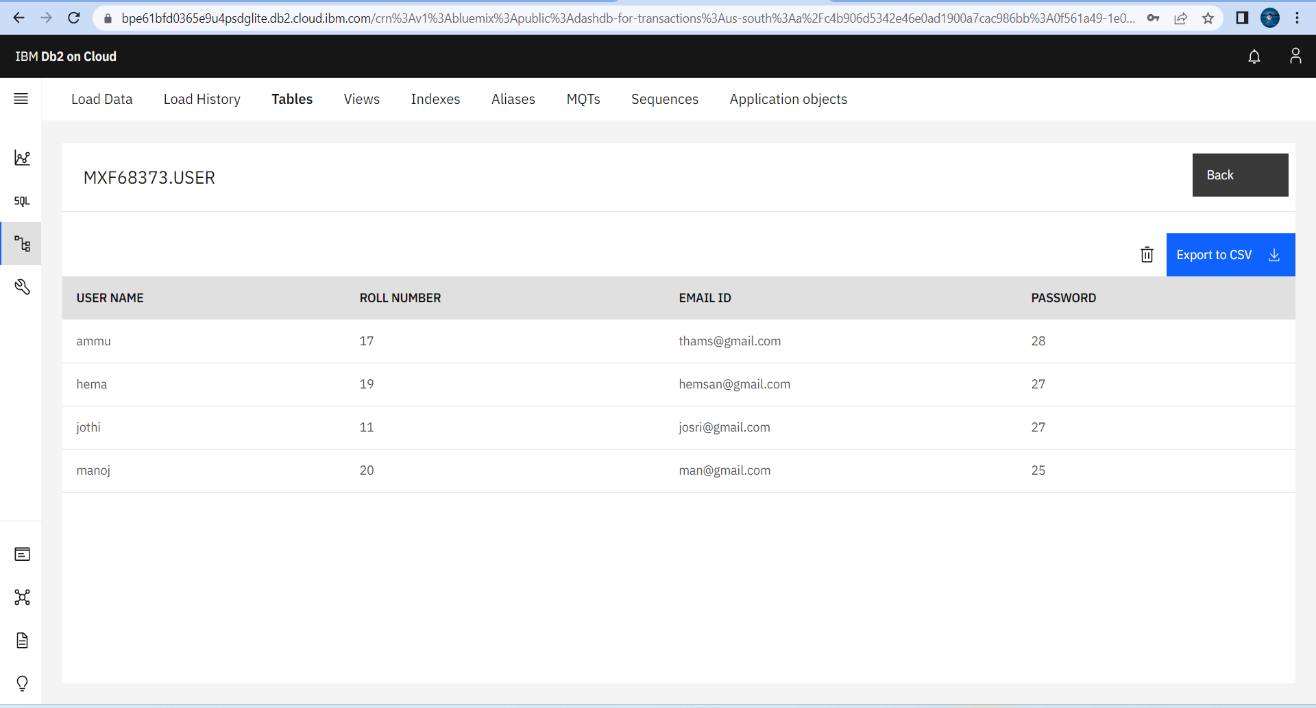
UPDATE TABLE:

update users (SET username='ammu' WHERE roll\_number='17');



DELETE TABLE:

delete from users (WHERE roll\_number='14');



1. 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 !