Assignment -3

Assignment Date	21 September 2022
Student Name	P.Ramprakash
Student Roll Number	420619104029
Maximum Marks	2 Marks
Project	Plasma Donor Application

Question-1:

1) Create user table with user with email, user name, roll number, password.

Solution:

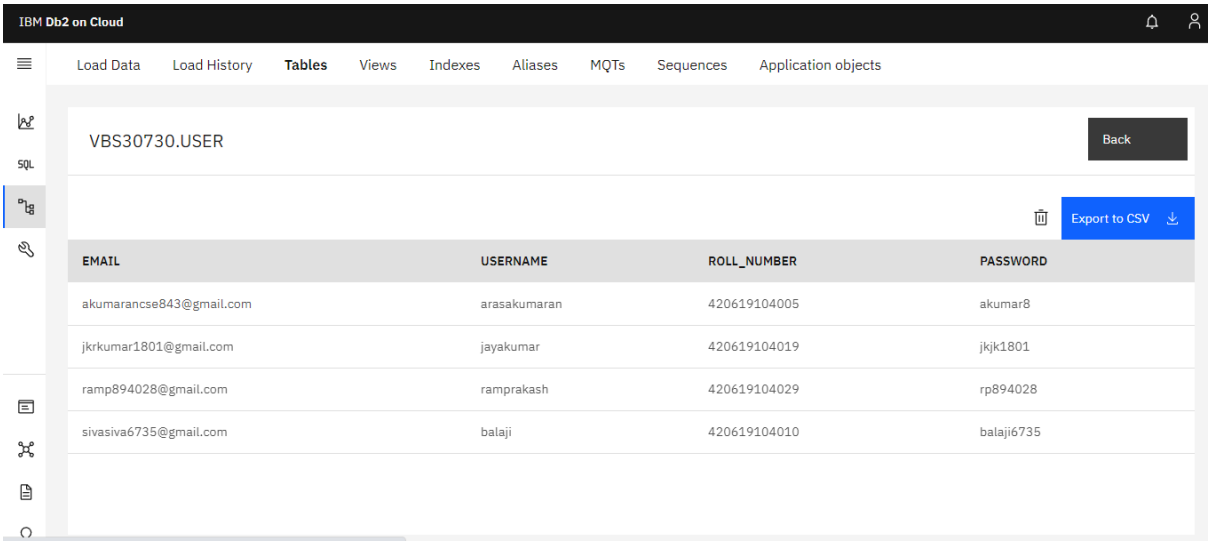
```
CREATE TABLE user(
        email VARCHAR(50) ,
        username VARCHAR(50) ,
        roll_number VARCHAR(50) ,
        password VARCHAR(50)
    );

INSERT INTO user (email,username,roll_number,password)
VALUES ('jkrkumar1801@gmail.com','jayakumar','420619104019','jkjk1801');

INSERT INTO user (email,username,roll_number,password)
VALUES ('ramp894028@gmail.com','ramprakash','420619104029','rp894028');

INSERT INTO user (email,username,roll_number,password)
VALUES ('sivasiva6735@gmail.com','balaji','420619104010','balaji6735');

INSERT INTO user (email,username,roll_number,password)
VALUES ('akumarancse843@gmail.com','arasakumaran','420619104005','akumar8');
```



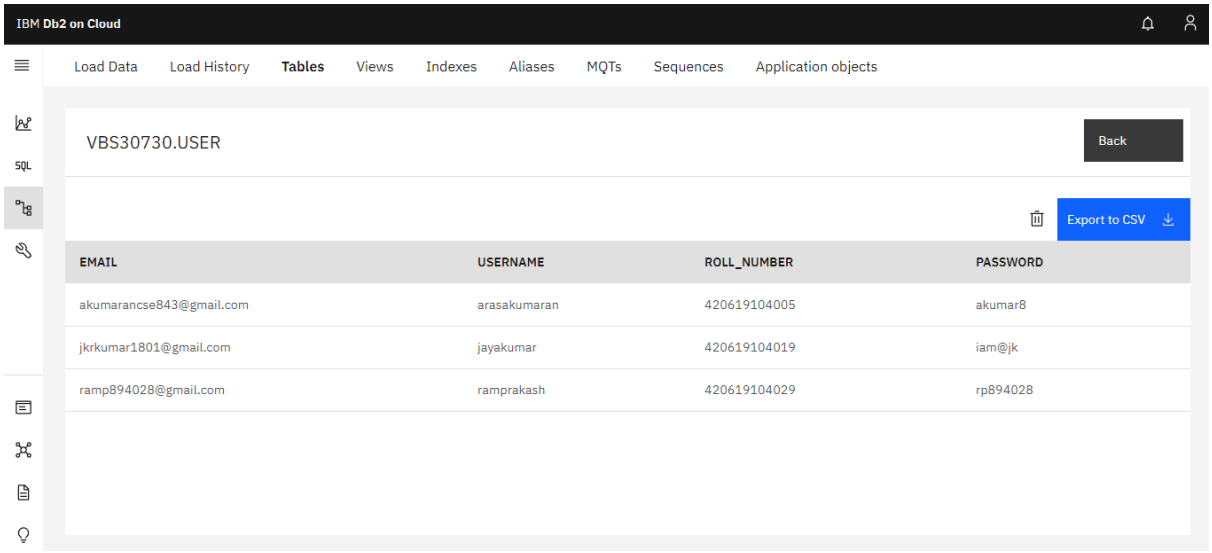
Question-2:

2) Perform UPDATE, DELETE Queries with user table.

Solution:

```
UPDATE user
SET password = 'iam@jk'
WHERE password = 'jkjk1801'

DELETE FROM user
WHERE username = 'balaji' ;
```



Question-3:

3) Connect python code to db2.

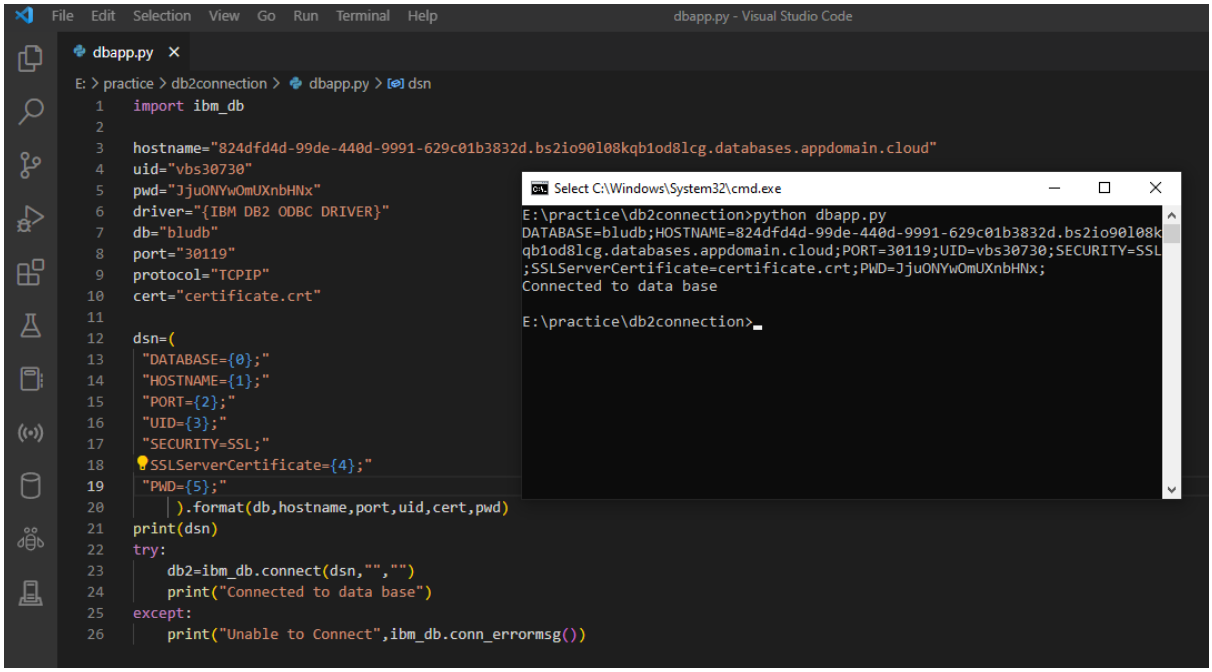
Solution:

```
import ibm_db

hostname="824dfd4d-99de-440d-
9991629c01b3832d.bs2io90l08kqb1od8lcg.databases.appdomain.cloud"
uid="vbs30730"
pwd="JjuONYwOmUXnbHNx"
driver="{IBM DB2 ODBC DRIVER}"
db="bludb"
port="30119"
protocol="TCPIP"
cert="certificate.crt"

dsn=(
    "DATABASE={0};"
    "HOSTNAME={1};"
    "PORT={2};"
    "UID={3};"
    "SECURITY=SSL;"
    "SSLServerCertificate={4};"
    "PWD={5};"
    ).format(db,hostname,port,uid,cert,pwd)
print(dsn)
```

```
try:
   db2=ibm_db.connect(dsn,"","")
   print("Connected to data base")
except:
   print("Unable to Connect",ibm_db.conn_errormsg())
```



Question-4:

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 shown the welcome page.

Solution:

```
from flask import *

app = Flask(__name__)

@app.route('/')
def hello_world():
   return render_template('index.html')

@app.route('/signup')
def signup():
   return render_template('signup.html')

@app.route('/signin')
def sigin():
   return render_template('signin.html')

@app.route('/about')
def about():
   return render_template('about.html')
```

```
if __name__ == '__main__':
    app.run(debug=True)
```