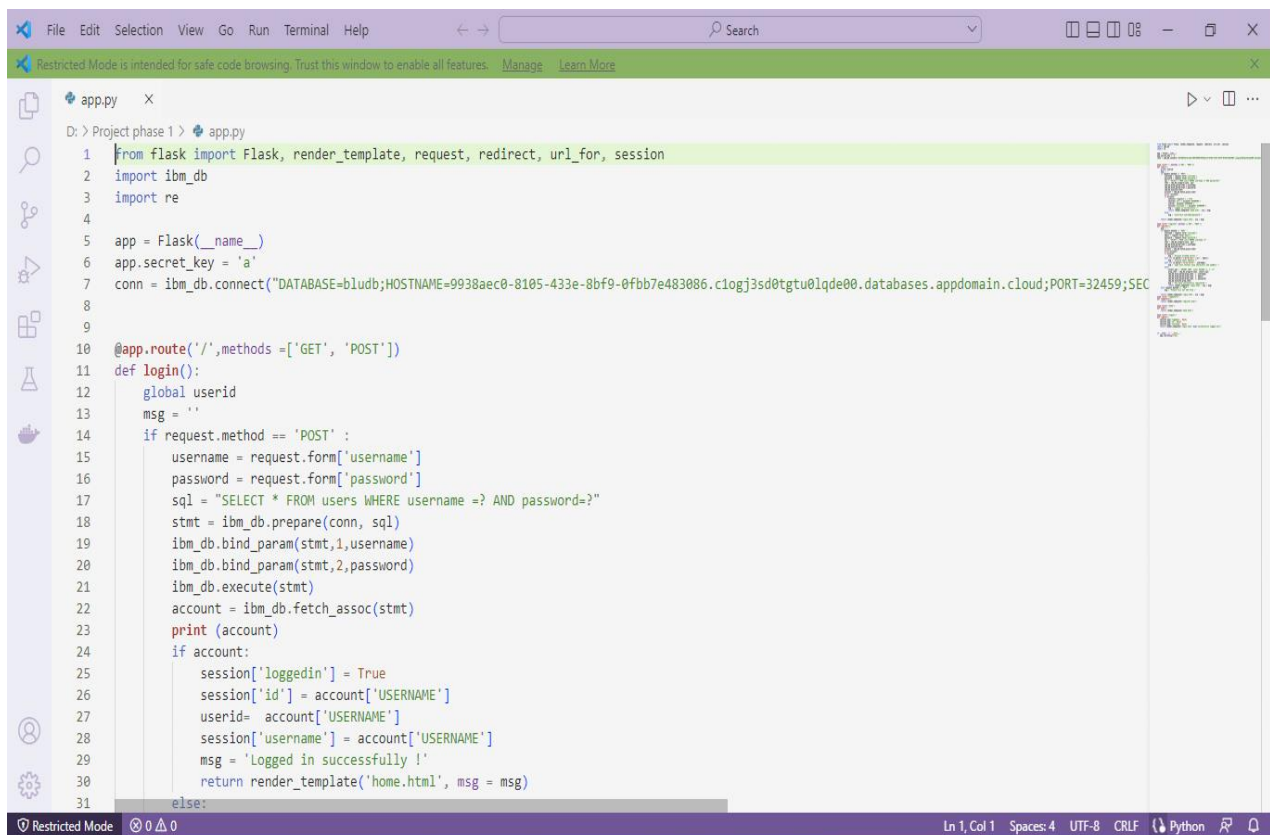


# Implementing Web Application

## Create IBM DB2 and Connect with Python

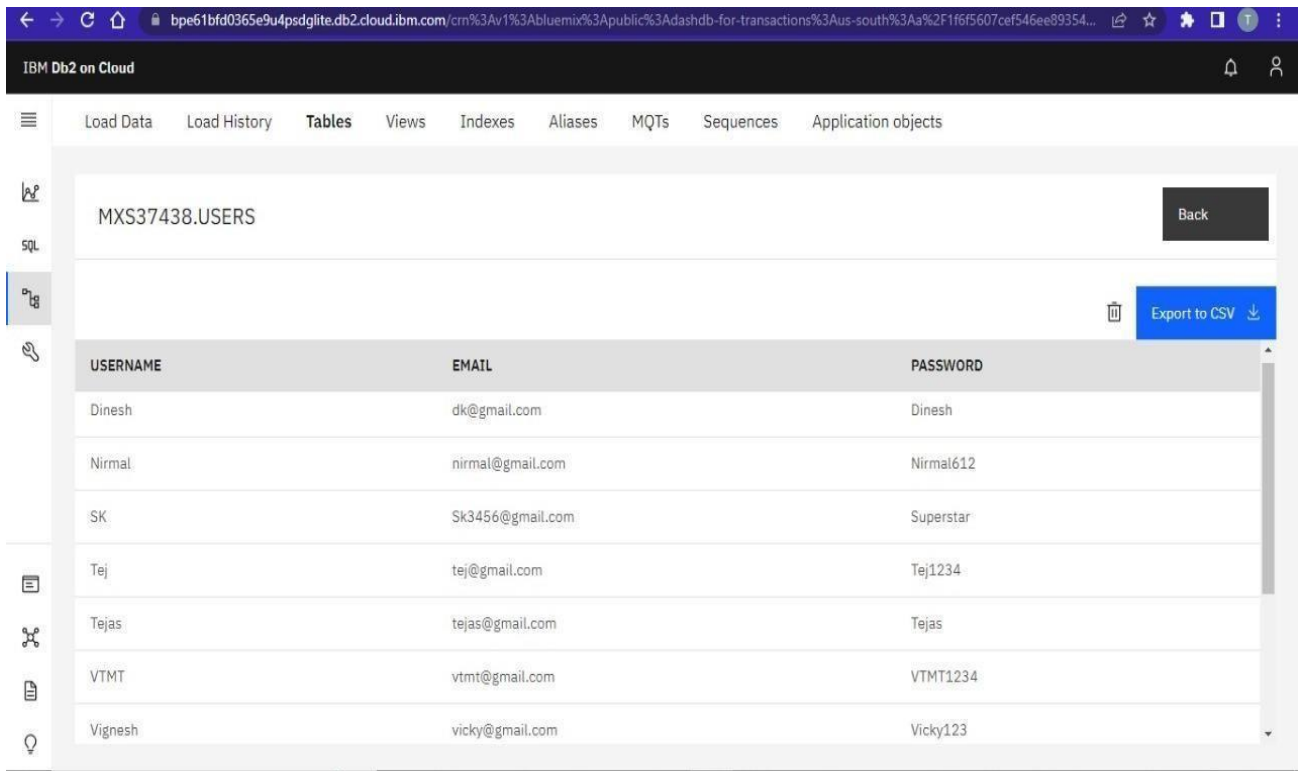
Batch ID	B2-2M4E
Team ID	PNT2022TMID22530
Project Name	Nutrition Assistant Application

**app.py:**



```
1 from flask import Flask, render_template, request, redirect, url_for, session
2 import ibm_db
3 import re
4
5 app = Flask(__name__)
6 app.secret_key = 'a'
7 conn = ibm_db.connect("DATABASE=b1udb;HOSTNAME=9938aec0-8105-433e-8bf9-0fbb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT=32459;SEC
8
9
10 @app.route('/', methods=['GET', 'POST'])
11 def login():
12     global userid
13     msg = ''
14     if request.method == 'POST':
15         username = request.form['username']
16         password = request.form['password']
17         sql = "SELECT * FROM users WHERE username=? AND password=?"
18         stmt = ibm_db.prepare(conn, sql)
19         ibm_db.bind_param(stmt, 1, username)
20         ibm_db.bind_param(stmt, 2, password)
21         ibm_db.execute(stmt)
22         account = ibm_db.fetch_assoc(stmt)
23         print (account)
24         if account:
25             session['loggedin'] = True
26             session['id'] = account['USERNAME']
27             userid= account['USERNAME']
28             session['username'] = account['USERNAME']
29             msg = 'Logged in successfully !'
30             return render_template('home.html', msg = msg)
31         else:
```

## IBM DB2:



The screenshot displays the IBM Db2 on Cloud web interface. The browser address bar shows a URL starting with 'bpe61bfd0365e9u4psdglite.db2.cloud.ibm.com'. The page header includes 'IBM Db2 on Cloud' and navigation links for 'Load Data', 'Load History', 'Tables', 'Views', 'Indexes', 'Aliases', 'MQTs', 'Sequences', and 'Application objects'. The 'Tables' tab is selected, showing a table named 'MXS37438.USERS'. A 'Back' button is in the top right. Below the table name, there is a trash icon and an 'Export to CSV' button. The table itself has three columns: 'USERNAME', 'EMAIL', and 'PASSWORD'. It contains eight rows of user data.

USERNAME	EMAIL	PASSWORD
Dinesh	dk@gmail.com	Dinesh
Nirmal	nirmal@gmail.com	Nirmal612
SK	Sk3456@gmail.com	Superstar
Tej	tej@gmail.com	Tej1234
Tejas	tejas@gmail.com	Tejas
VTMT	vtmt@gmail.com	VTMT1234
Vignesh	vicky@gmail.com	Vicky123