

IMPLEMENTING WEB APPLICATION

Create An Account CREATE APIs IN FLASK

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Project Name	NUTRITION ASSISTANT APPLICATION

CREATE APIs IN FLASK:

The screenshot displays a Visual Studio Code editor interface. On the left, the Explorer pane shows a project structure with folders like FLASK, static, templates, and files like admin.data.csv, admin.csv, aduthavan.py, app.py, Cert.crt, cookie.py, db2.py, register.py, tempCodeRunnerFile.python, and test.py. The main editor window shows the code for db2.py, which imports ibm_db and configures a database connection to an IBM DB2 instance. The code includes variables for hostname, uid, pwd, driver, db, port, protocol, and cert, followed by a dsn dictionary and a try-except block for connecting to the database. The terminal at the bottom shows the command to run the script and the resulting ImportError: No module named ibm_db.

```
db2.py > ...
1  import ibm_db
2  hostname="ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomain.cloud"
3  uid="djjy96762"
4  pwd="cNFJRrdL17ah7wbW"
5  driver="{IBM DB2 ODBC DRIVER}"
6  db="bludb"
7  port="31321"
8  protocol="TCP/IP"
9  cert="Cert.crt"
10
11  dsn={
12      "DRIVER={0};"
13      "DATABASE={0};"
14      "HOSTNAME={1};"
15      "PORT={2};"
16      "UID={3};"
17      "SECURITY=SSL;"
18      "SSLServerCertificate={4};"
19      "PWD={5};".format(db,hostname,port,uid,cert,pwd)
20
21  print(dsn)
22  try:
23      db2=ibm_db.connect(dsn, "", "")
24      print("connected to database")
25  except:
26      print("unable to connect", ibm_db.conn_errormsg())
```

PROBLEMS 6 OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```
admin@Sutharshans-MacBook-Air flask % python -u "/Users/admin/Desktop/flask/db2.py"
Traceback (most recent call last):
  File "/Users/admin/Desktop/flask/db2.py", line 1, in <module>
    import ibm_db
ImportError: No module named ibm_db
admin@Sutharshans-MacBook-Air flask % source /Users/admin/Desktop/flask/env/bin/activate
(env) admin@Sutharshans-MacBook-Air flask % python -u "/Users/admin/Desktop/flask/db2.py"
DRIVER=bludb;DATABASE=bludb;HOSTNAME=ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdo
main.cloud;PORT=31321;UID=djjy96762;SECURITY=SSL;SSLServerCertificate=Cert.crt;PWD=cNFJRrdL17ah7wbW;
connected to database
(env) admin@Sutharshans-MacBook-Air flask %
```

Ln 30, Col 1 Spaces: 4 UTF-8 LF Python 3.10.8 ('env': venv) Go Live

```
34         return render_template('index.html', msg = msg)
35     else:
36         msg = 'Incorrect Username / Password !'
37         return render_template('index.html', msg = msg)
38
39
40 @app.route('/register', methods = ['GET', 'POST'])
41 def register():
42     global mailid
43     msg = ''
44     if request.method == 'POST':
45         username = request.form['username']
46         password = request.form['password']
47         sql = "INSERT INTO USER VALUES(?,?)"
48         stmt = ibm_db.prepare(conn, sql)
49         ibm_db.bind_param(stmt, 1, username)
50         ibm_db.bind_param(stmt, 2, password)
51         ibm_db.execute(stmt)
52         return render_template('index.html', msg = msg)
53     else:
54         msg = 'Incorrect Username / Password !'
55         return render_template('index.html', msg = msg)
56
57
58
59 if __name__ == "__main__":
60     app.run(host='0.0.0.0')
61
62
```

