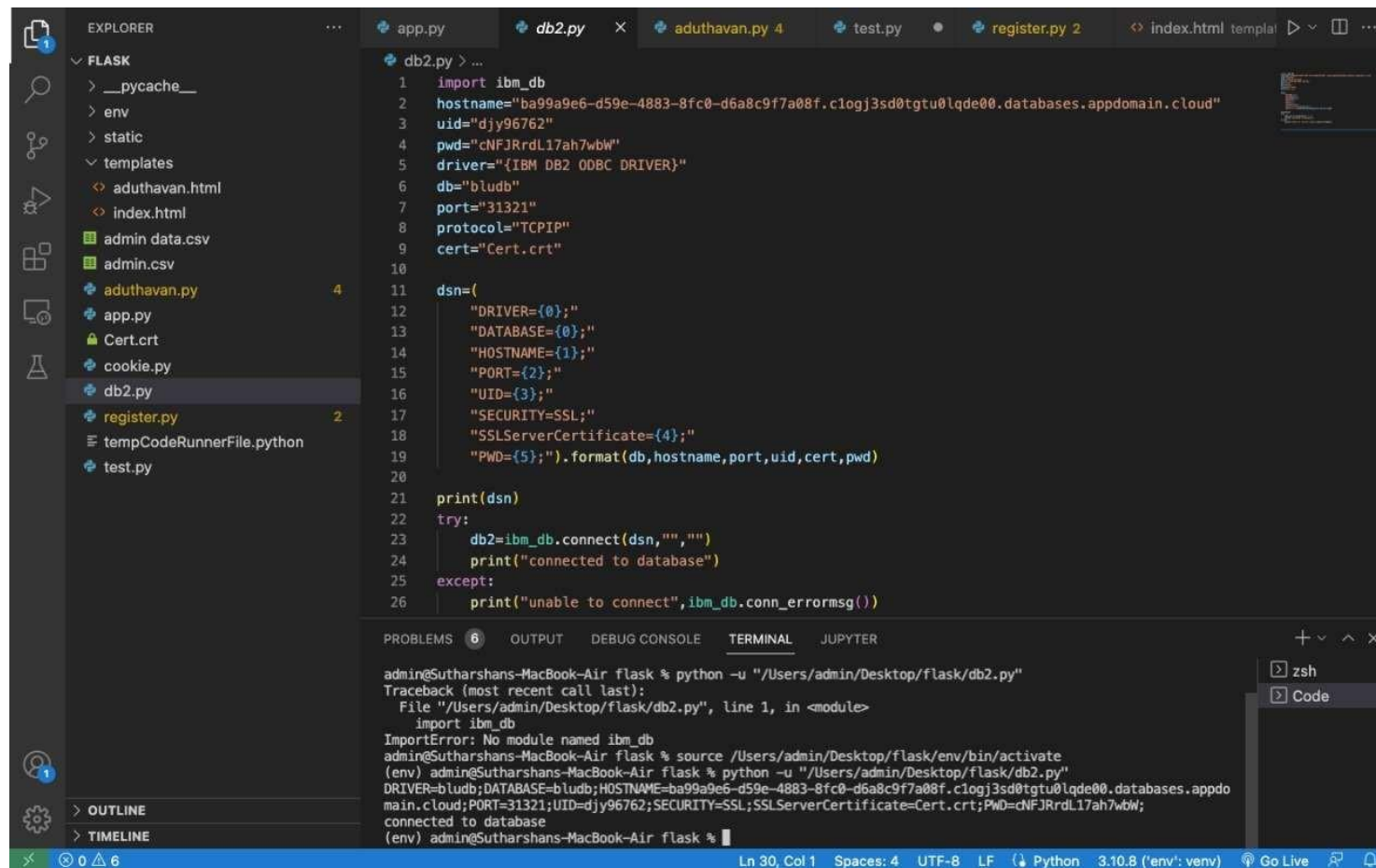


## IMPLEMENTING WEB APPLICATION

Create An Account CREATEIBMDB2ANDCONNECT WITH PYTHON

Date	14 November 2022
Team ID	PNT2022TMID37158
Project Name	INVENTORY MANAGEMENT SYSTEM

CREATE IBM DB2 AND CONNECT WITH PYTHON:



The screenshot displays a JupyterLab environment with a file explorer on the left, a code editor in the center, and a terminal at the bottom. The file explorer shows a project structure with folders like FLASK and files like db2.py, register.py, and test.py. The code editor shows the content of db2.py, which imports the ibm\_db module and defines connection parameters for an IBM DB2 database. The terminal window shows the command to run the script and the resulting output, which includes a traceback for an ImportError and a successful connection message.

```
1 import ibm_db
2 hostname="ba99a9e6-d59e-4883-8fc0-d6a8c9f7a08f.clogj3sd0tgtu0lqde00.databases.appdomain.cloud"
3 uid="djy96762"
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())
```

```
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=djy96762;SECURITY=SSL;SSLServerCertificate=Cert.crt;PWD=cNFJRrdL17ah7wbW;
connected to database
(env) admin@Sutharshans-MacBook-Air flask %
```