

CREATE IBM DB2 AND CONNECT WITH PYTHON

DATE	7 November 2022
TEAM ID	PNT2022TMID40784
PROJECT NAME	CUSTOMER CARE REGISTRY

CODE :

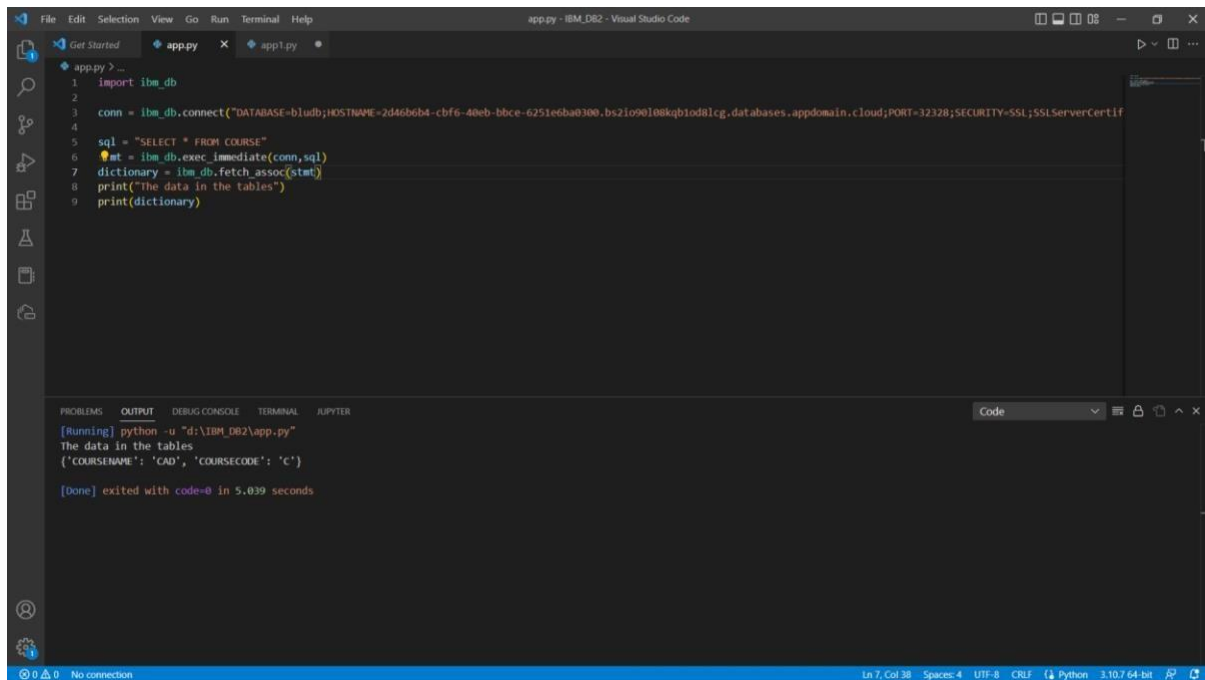
```
import ibm_db
```

```
conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6- 40eb-  
bbce-  
6251e6ba0300.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT  
=32328;SECURITY=SSL;SSLServerCertificate=DigiCertGlobalRootCA.crt;UID  
=tcz92999;PWD=4Etp8VM63VGm1Zyr","", "")
```

```
sql = "SELECT * FROM COURSE" stmt =  
ibm_db.exec_immediate(conn,sql)  
dictionary = ibm_db.fetch_assoc(stmt)  
print(dictionary)
```

OUTPUT :

CODE :



The screenshot shows a Visual Studio Code window with a Python file named `app.py`. The code connects to an IBM Db2 database and executes a SQL query to retrieve data from a table named `COURSE`. The output in the terminal shows the data in the tables and a dictionary containing the course information.

```
1 import ibm_db
2
3 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-40eb-bbce-6251e6ba0300.bs21o90l08kqb1od81cg.databases.appdomain.cloud;PORT=32320;SECURITY=SSL;SSLServerCertif
4
5 sql = "SELECT * FROM COURSE"
6
7 dictionary = ibm_db.fetch_assoc(stmt)
8 print("The data in the tables")
9 print(dictionary)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

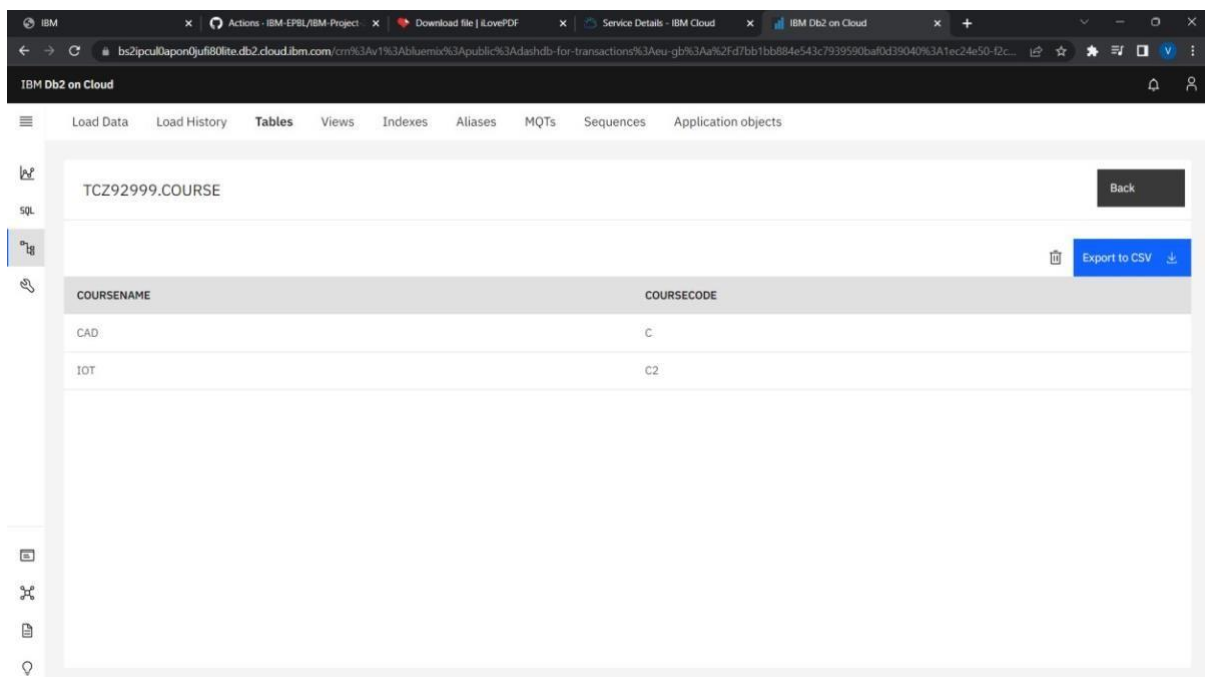
[Running] python -u "d:\IBM_Db2\app.py"

The data in the tables

{'COURSENAME': 'CAD', 'COURSECODE': 'C'}

[Done] exited with code=0 in 5.039 seconds

DATABASE INFO :



The screenshot shows the IBM Db2 on Cloud web interface. The `COURSE` table is selected, and the data is displayed in a table format. The table has two columns: `COURSENAME` and `COURSECODE`. The data rows are:

COURSENAME	COURSECODE
CAD	C
IOT	C2