

## CREATE IBM DB2 AND CONNECT WITH PYTHON

|                     |                               |
|---------------------|-------------------------------|
| <b>DATE</b>         | <b>8 November 2022</b>        |
| <b>TEAM ID</b>      | <b>PNT2022TMID17282</b>       |
| <b>PROJECT NAME</b> | <b>CUSTOMER CARE REGISTRY</b> |

### 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"
```

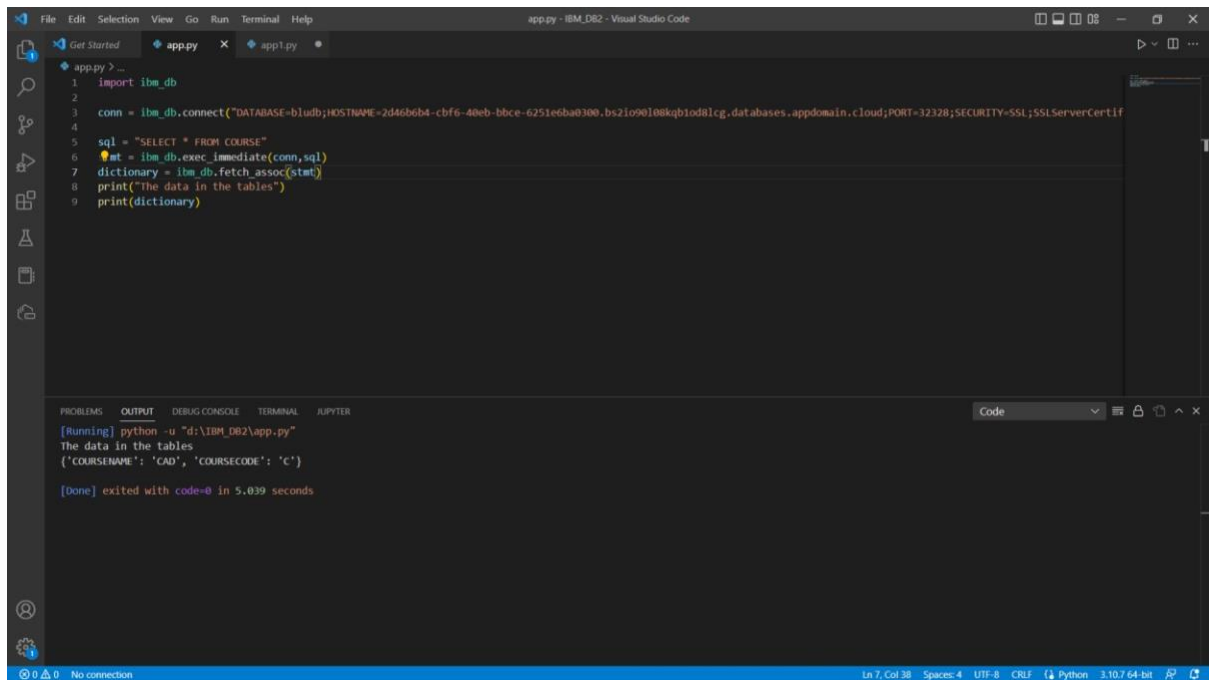
```
stmt = ibm_db.exec_immediate(conn,sql)
```

```
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 the dictionary returned by the query.

```
1 import ibm_db
2
3 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-40eb-bbce-6251ecba0300.bs21090108kqb1od81cg.databases.appdomain.cloud;PORT=3232B;SECURITY=SSL;SSLServerCertif
4
5 sql = "SELECT * FROM COURSE"
6
7 cursor = ibm_db.exec_immediate(conn,sql)
8 dictionary = ibm_db.fetch_assoc(cursor)
9 print("The data in the tables")
10 print(dictionary)
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

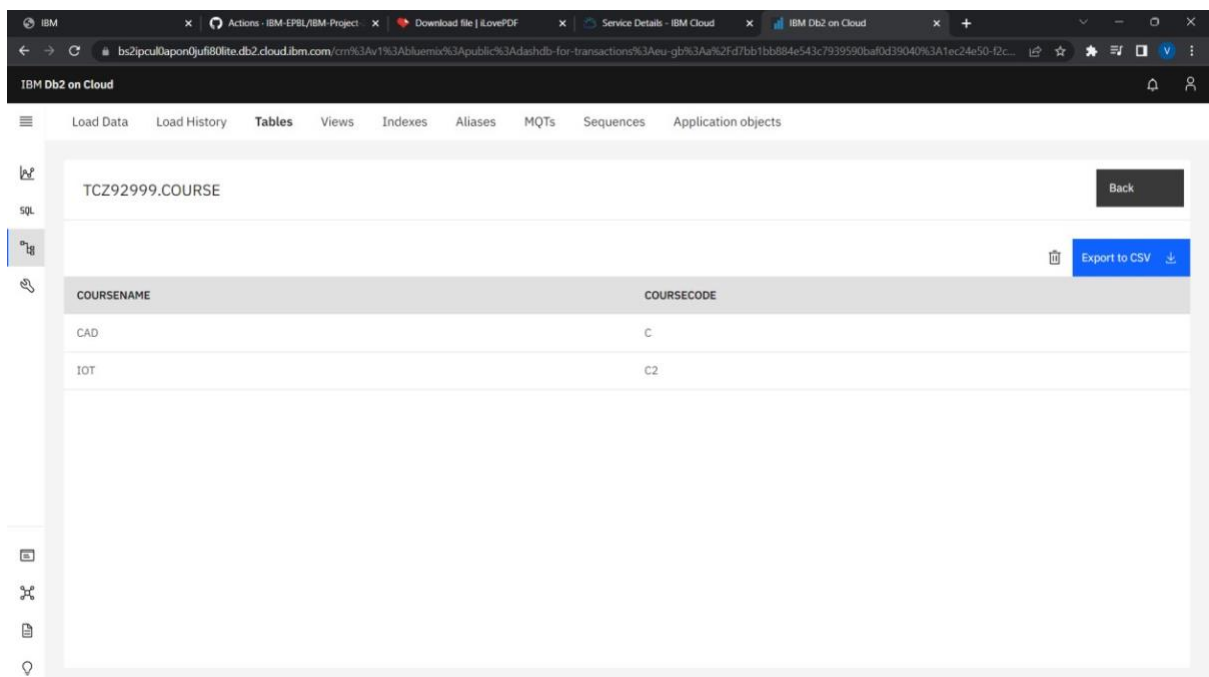
[Running] python -u "d:\IBM\_Db2\app.py"

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 console. 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         |