

CREATE IBM DB2 AND CONNECT WITH PYTHON

DATE	8 November 2022
TEAM ID	PNT2022TMID10783
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;U  
ID  
=tcz92999;PWD=4Etp8VM63VGm1Zyr","", "")
```

```
sql = "SELECT * FROM COURSE"
```

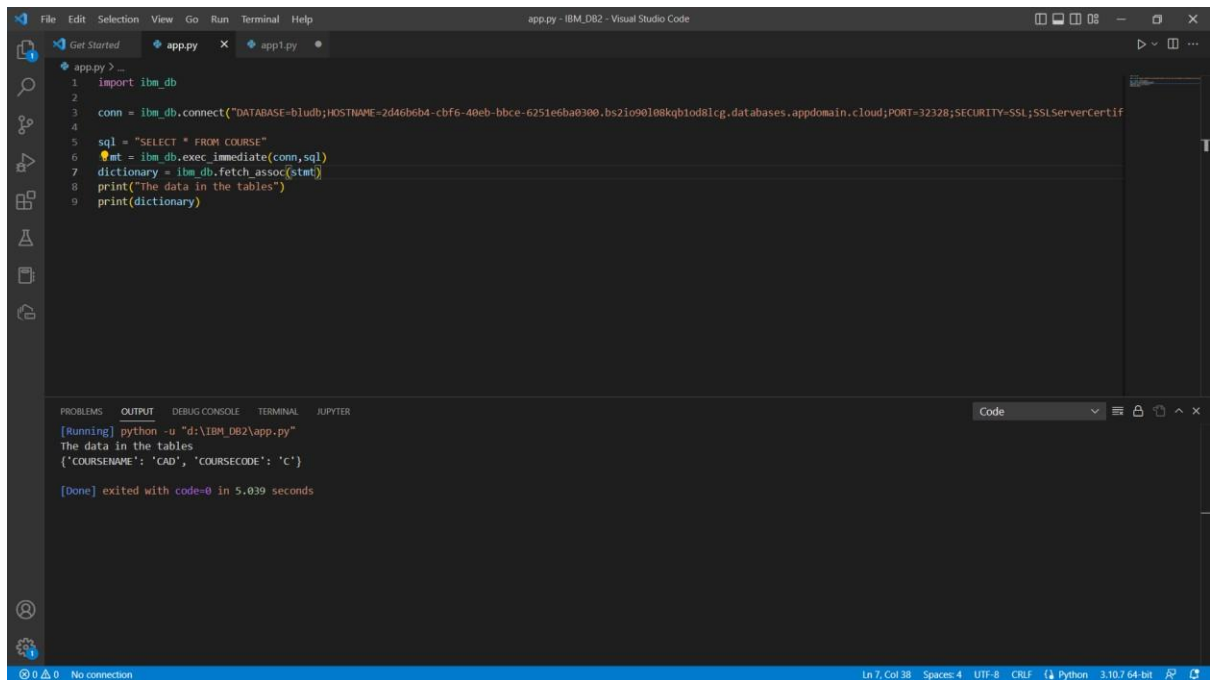
```
stmt = ibm_db.exec_immediate(conn,sql)
```

```
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 of the script is displayed in the terminal window below the editor.

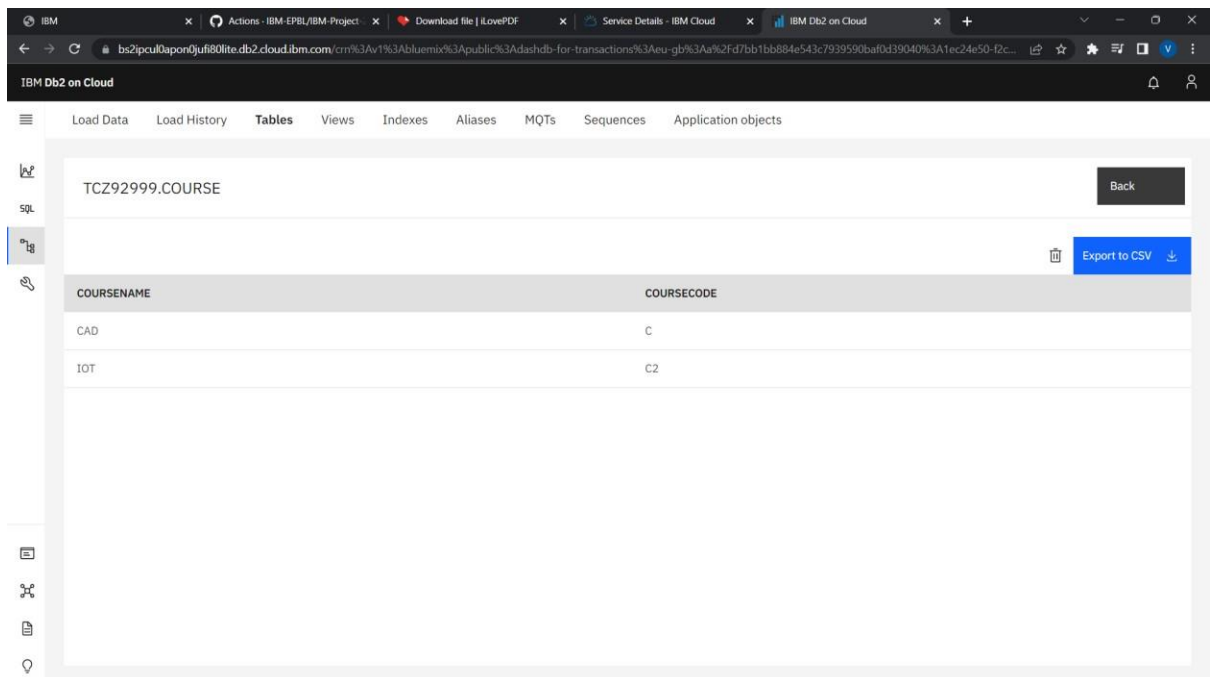
```
1 import ibm_db
2
3 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-40eb-bbce-6251e6ba0300.bs2io90l08kqb1od81cg.databases.appdomain.cloud;PORT=32328;SECURITY=SSL;SSLServerCertif
4
5 sql = "SELECT * FROM COURSE"
6 stmt = ibm_db.exec_immediate(conn,sql)
7 dictionary = ibm_db.fetch_assoc(stmt)
8 print("The data in the tables")
9 print(dictionary)
```

The terminal output shows the following:

```
[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 table `TCZ92999.COURSE` is selected, and its structure and data are displayed. The table has two columns: `COURSENAME` and `COURSECODE`. The data is as follows:

COURSENAME	COURSECODE
CAD	C
IOT	C2