

## CREATE IBM DB2 AND CONNECT WITH PYTHON

<b>DATE</b>	<b>17 November 2022</b>
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<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"
```

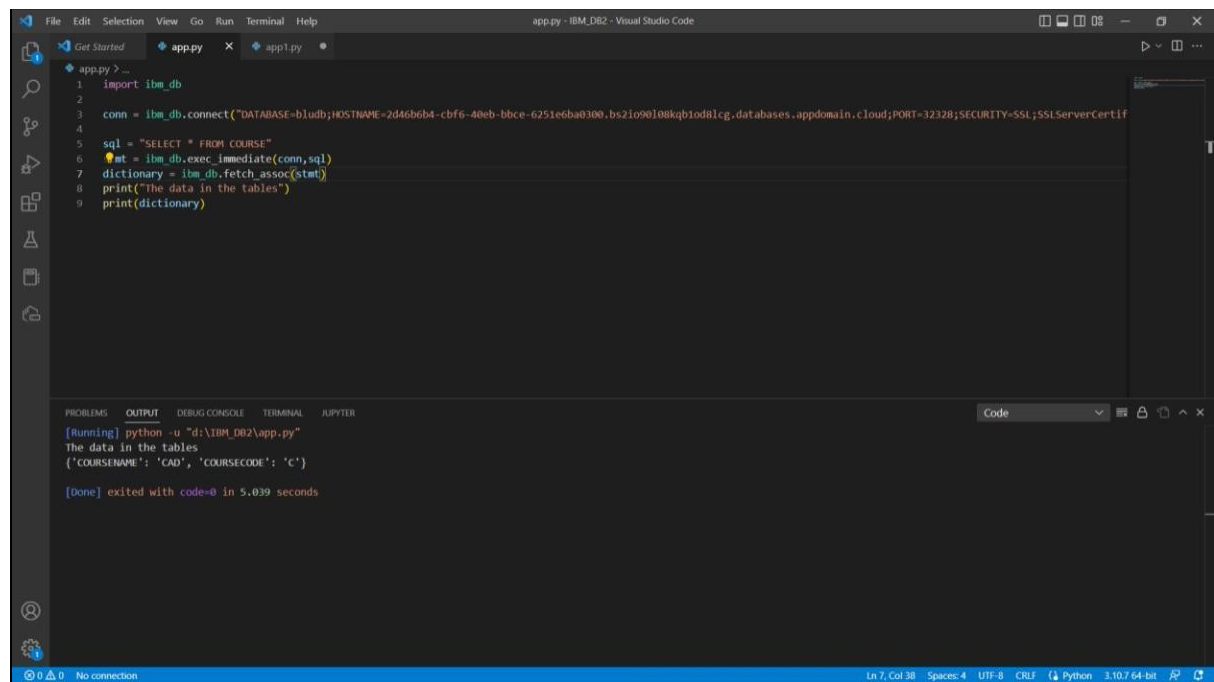
```
stmt = ibm_db.exec_immediate(conn,sql)
```

```
dictionary = ibm_db.fetch_assoc(stmt)
```

```
print(dictionary)
```

OUTPUT :

CODE :



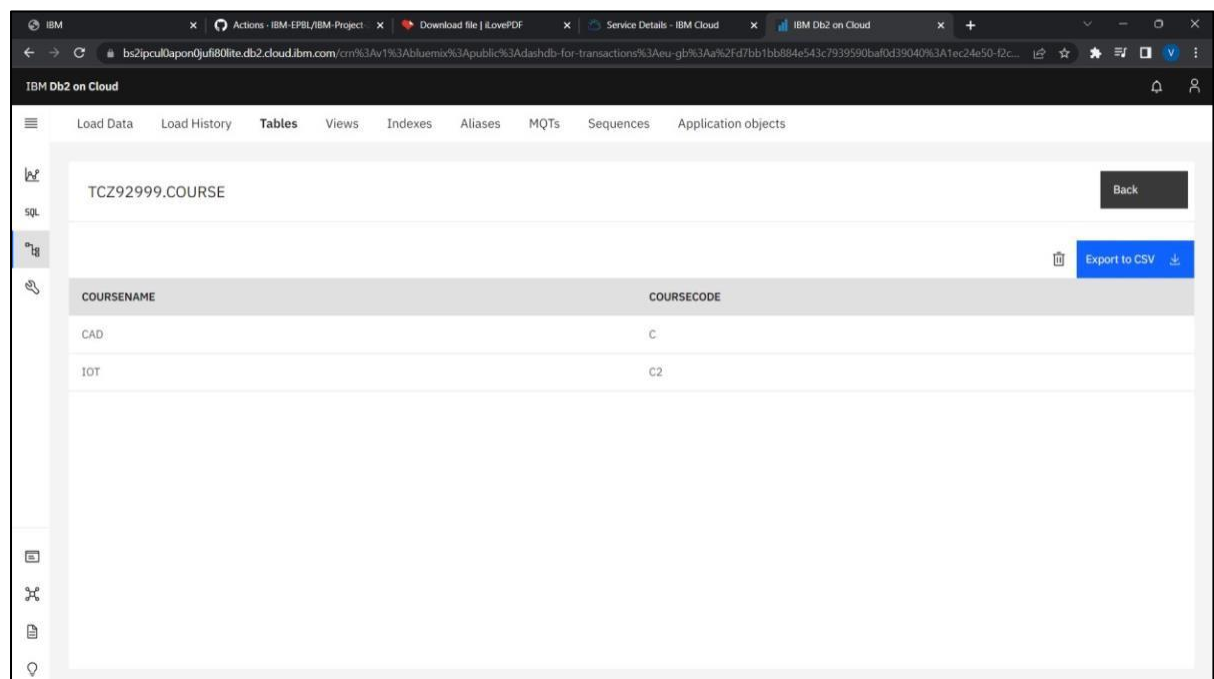
The screenshot shows a Visual Studio Code window with a Python file named `app.py`. The code connects to an IBM Db2 database and executes a SQL query to retrieve data from a table named `COURSE`. The output of the script is displayed in the terminal window below the editor.

```
1 import ibm_db
2
3 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-40eb-bbce-6251ecba0300.bs21090108kqb1od81cg.databases.appdomain.cloud;PORT=3232B;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 console interface. The table `TCZ92999.COURSE` 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