

## IBM DB2 CONNECT WITH PYTHON

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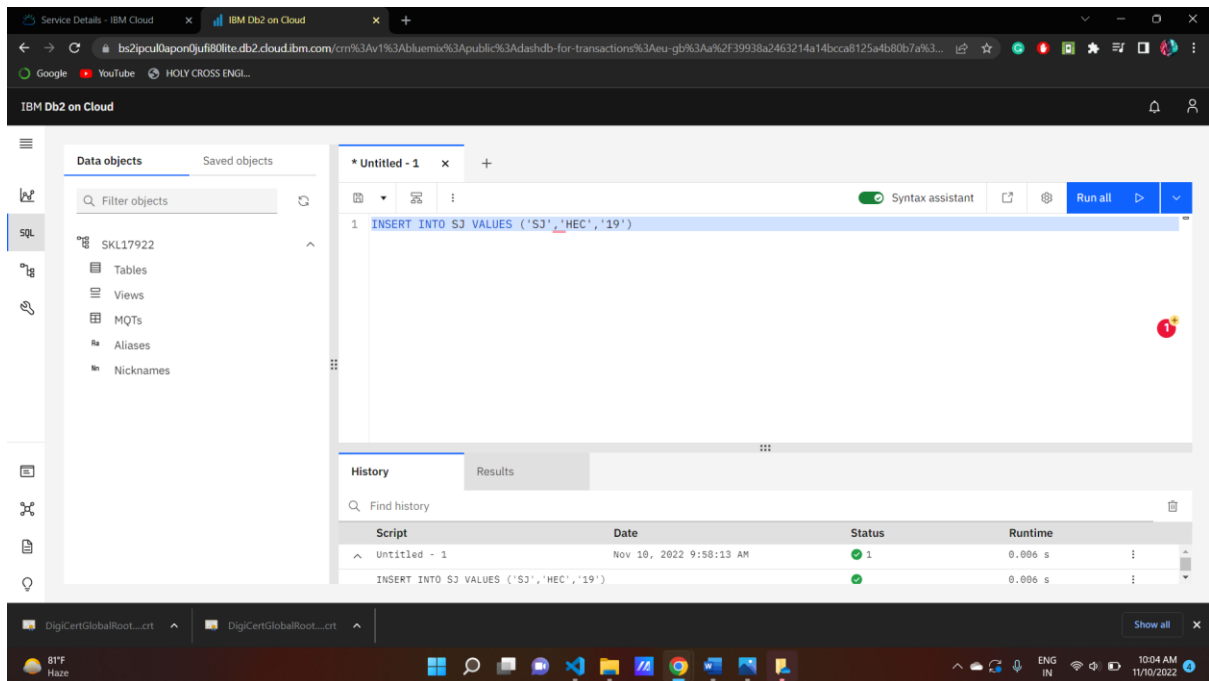
### Create Table

The screenshot displays the IBM Db2 on Cloud web interface. The 'Tables' tab is active, showing a list of tables. The table 'SJ' is selected, and its definition is shown on the right. The table has three columns: NAME (CHAR, 10, Y, 0), COLLEGE (CHAR, 5, Y, 0), and REGNO (CHAR, 5, Y, 0). A 'View data' button is located at the bottom of the table definition pane.

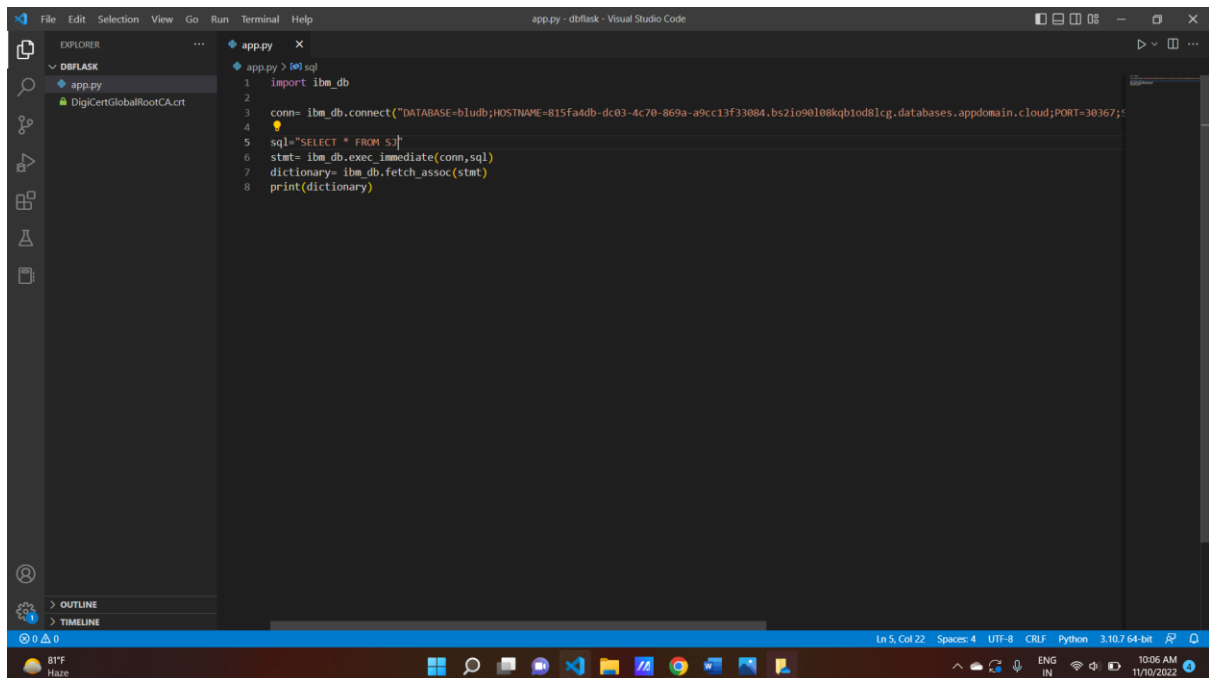
Name	Data type	Nullable	Length	Scale
NAME	CHAR	Y	10	0
COLLEGE	CHAR	Y	5	0
REGNO	CHAR	Y	5	0

### Insert data

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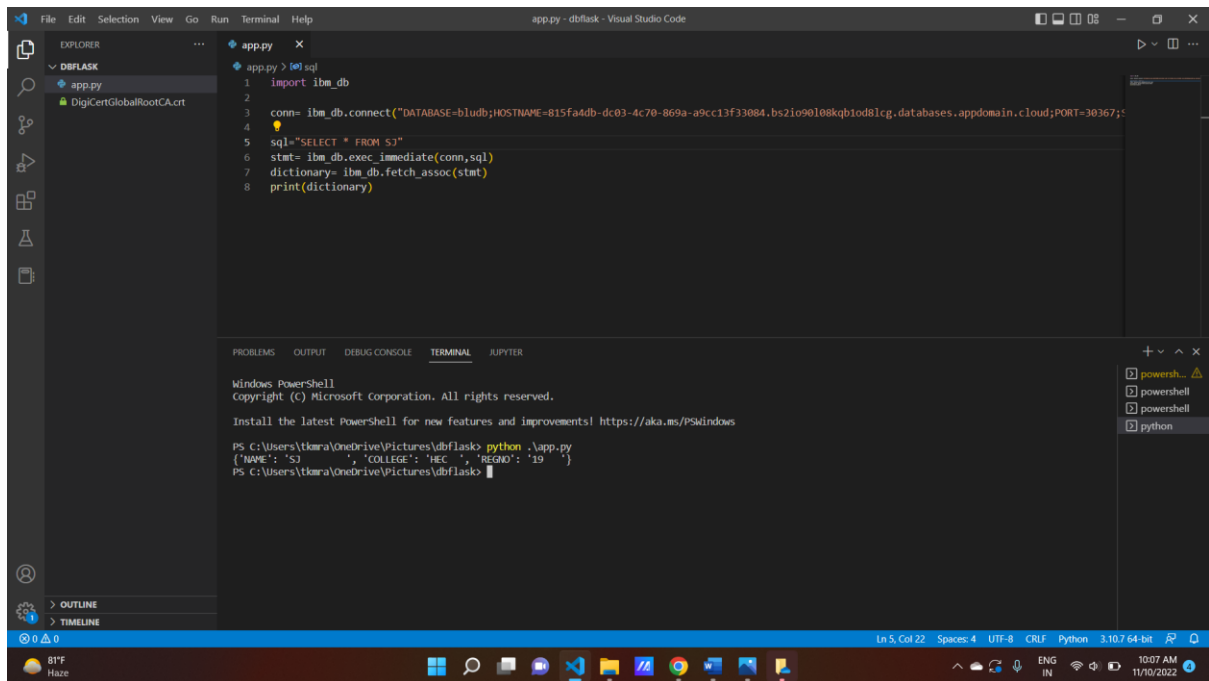


## PYTHON CODE



## OUTPUT

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The screenshot displays the Visual Studio Code interface with a Python script named `app.py` and a terminal window.

**EXPLORER:** Shows the file structure with `app.py` selected.

**app.py:**

```
1 import ibm_db
2
3 conn= ibm_db.connect("DATABASE=bludb;HOSTNAME=815fa4db-dc03-4c70-869a-a9cc13f33084.bs2io90l08kqb1od8lcg.databases.appdomain.cloud;PORT=30367;")
4
5 sql="SELECT * FROM SJ"
6 stmt= ibm_db.exec_immediate(conn,sql)
7 dictionary= ibm_db.fetch_assoc(stmt)
8 print(dictionary)
```

**TERMINAL:** Shows the execution of the script using PowerShell.

```
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\tkara\OneDrive\Pictures\dbflask> python .\app.py
{'NAME': 'SJ', 'COLLEGE': 'HEC', 'REGNO': '19'}
```

**STATUS BAR:** Shows the current file is `app.py` at line 5, column 22, using UTF-8 encoding, CRLF line endings, and Python 3.10.7 64-bit.