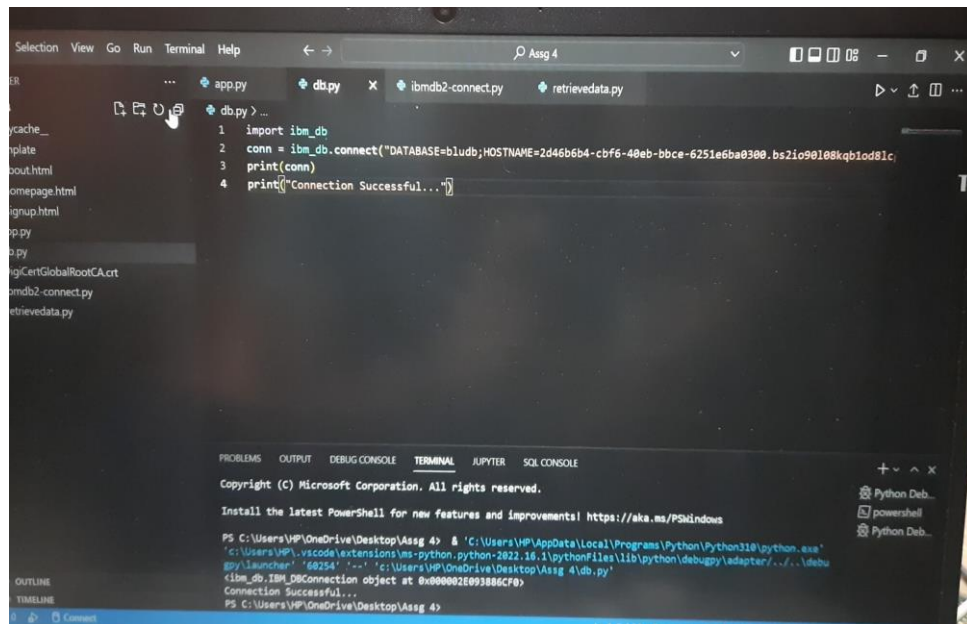


Create IBM DB2 And connect with python

Date	18 November 2022
Team ID	PNT2022TMID40500
Project Name	Project- NEWS TRACKER APPLICATION



```
1 import ibm_db
2 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-40eb-bbce-6251e6ba0300.bs2io98108kb1od81c;")
3 print(conn)
4 print("Connection Successful...")
```

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

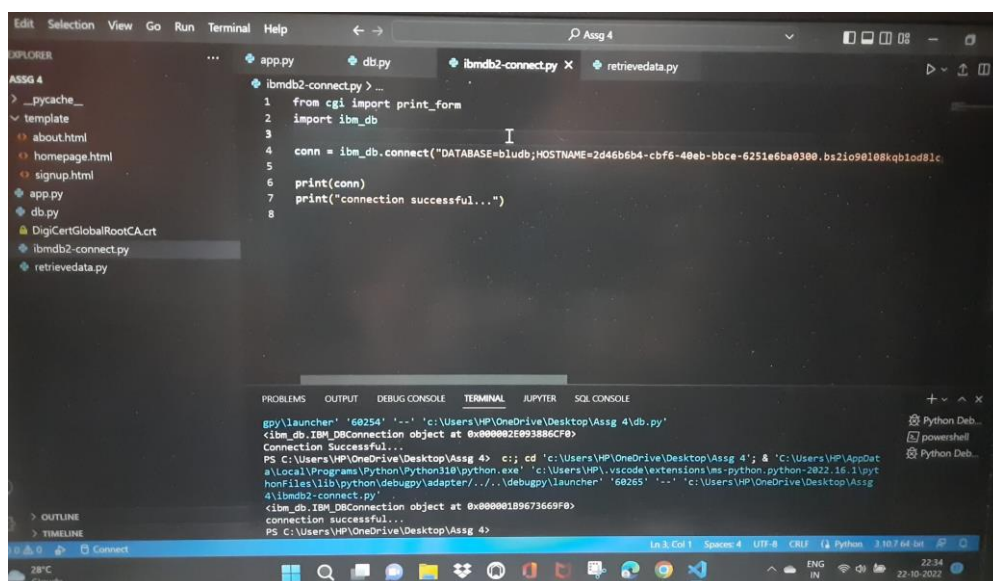
PS C:\Users\HP\OneDrive\Desktop\Assg 4> & 'C:\Users\HP\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '60254' '-.' 'c:\Users\HP\OneDrive\Desktop\Assg 4\db.py'

<ibm_db.IBM_DBConnection object at 0x000002E093886CF0>

Connection Successful...

PS C:\Users\HP\OneDrive\Desktop\Assg 4>

Db.py screenshot



```
1 from cgi import print_form
2 import ibm_db
3
4 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-40eb-bbce-6251e6ba0300.bs2io98108kb1od81c;")
5 print(conn)
6 print("connection successful...")
```

gpy\launcher' '60254' '-.' 'c:\Users\HP\OneDrive\Desktop\Assg 4\db.py'

<ibm_db.IBM_DBConnection object at 0x000002E093886CF0>

Connection Successful...

PS C:\Users\HP\OneDrive\Desktop\Assg 4> c: cd 'c:\Users\HP\OneDrive\Desktop\Assg 4'; & 'C:\Users\HP\AppData\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\.vscode\extensions\ms-python.python-2022.16.1\pythonFiles\lib\python\debugpy\adapter\..\..\debugpy\launcher' '60255' '-.' 'c:\Users\HP\OneDrive\Desktop\Assg 4\ibmdb2-connect.py'

<ibm_db.IBM_DBConnection object at 0x000001B9673669F0>

connection successful...

PS C:\Users\HP\OneDrive\Desktop\Assg 4>

IBMDB2.py screenshot

The screenshot shows a Jupyter Notebook with a file explorer on the left containing files like `app.py`, `db.py`, `ibmdb2-connect.py`, and `retrievedata.py`. The active cell in `retrievedata.py` contains the following code:

```
1 import ibm_db
2
3 conn = ibm_db.connect("DATABASE=bludb;HOSTNAME=2d46b6b4-cbf6-40eb-bbce-6251e6ba0300.bs2io90108qb1od81c
4
5 sql = "SELECT * FROM STUDENTS"
6 stmt = ibm_db.exec_immediate(conn,sql)
7 dictionary = ibm_db.fetch_both(stmt)
8 while dictionary != False:
9     print("The Name is : ", dictionary)
10    print(" ***** ")
11    dictionary = ibm_db.fetch_both(stmt)
```

The terminal output at the bottom shows the execution results:

```
honFiles\lib\python\debugpy\adapter\...\debugpy\launcher' '60296' '--' 'c:\Users\HP\OneDrive\Desktop\Assg 4\retrievedata.py'
The Name is : {'NAME': 'Nandhini', 0: 'Nandhini', 'EMAIL': 'nandhini@gmail.com', 1: 'nandhini@gmail.com', '
ROLL_NUMBER': 22, 2: 22, 'PASSWORD': 1235, 3: 1235}
*****
The Name is : {'NAME': 'Ganapriya', 0: 'Ganapriya', 'EMAIL': 'gana@gmail.com', 1: 'gana@gmail.com', 'ROLL_N
UMBER': 8, 2: 8, 'PASSWORD': 4566, 3: 4566}
*****
The Name is : {'NAME': 'Harhini', 0: 'Harhini', 'EMAIL': 'harhini@gmail.com', 1: 'harhini@gmail.com', 'ROLL
_NUMBER': 9, 2: 9, 'PASSWORD': 7897, 3: 7897}
*****
The Name is : {'NAME': 'Kaviya', 0: 'Kaviya', 'EMAIL': 'kaviya@gmail.com', 1: 'kaviya@gmail.com', 'ROLL_NUM
BER': 16, 2: 16, 'PASSWORD': 1842, 3: 1842}
*****
PS C:\Users\HP\OneDrive\Desktop\Assg 4> c:\cd 'c:\Users\HP\OneDrive\Desktop\Assg 4'; & 'C:\Users\HP\AppData
```

Retrievedata.py screenshot

The screenshot shows a Jupyter Notebook with a file explorer on the left containing files like `app.py`, `db.py`, `ibmdb2-connect.py`, and `retrievedata.py`. The active cell in `app.py` contains the following code:

```
76
77
78
79 STUDENTS = []
80 sql = "SELECT * FROM STUDENTS"
81 stmt = ibm_db.exec_immediate(conn,sql)
82 dictionary = ibm_db.fetch_both(stmt)
83 while dictionary != False:
84     STUDENTS.append(dictionary)
85     dictionary = ibm_db.fetch_both(stmt)
86 if STUDENTS:
87     return render_template("login.html", STUDENTS = STUDENTS, msg = "Delete Successfully...")
88
89
90 return "Success...."
91
92
```

The terminal output at the bottom shows the execution results:

```
a:\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\vscode\extensions\ms-python.python-2022.16.1\pyt
honFiles\lib\python\debugpy\adapter\...\debugpy\launcher' '60265' '--' 'c:\Users\HP\OneDrive\Desktop\Assg 4\ibmdb2-connect.py'
<ibm_db.IBM_DBConnection object at 0x000001B9673669F0>
connection successful...
PS C:\Users\HP\OneDrive\Desktop\Assg 4> c:\cd 'c:\Users\HP\OneDrive\Desktop\Assg 4'; & 'C:\Users\HP\AppData
a:\Local\Programs\Python\Python310\python.exe' 'c:\Users\HP\vscode\extensions\ms-python.python-2022.16.1\pyt
honFiles\lib\python\debugpy\adapter\...\debugpy\launcher' '60274' '--' 'c:\Users\HP\OneDrive\Desktop\Assg 4\app.py'
PS C:\Users\HP\OneDrive\Desktop\Assg 4>
```

App.py screenshot