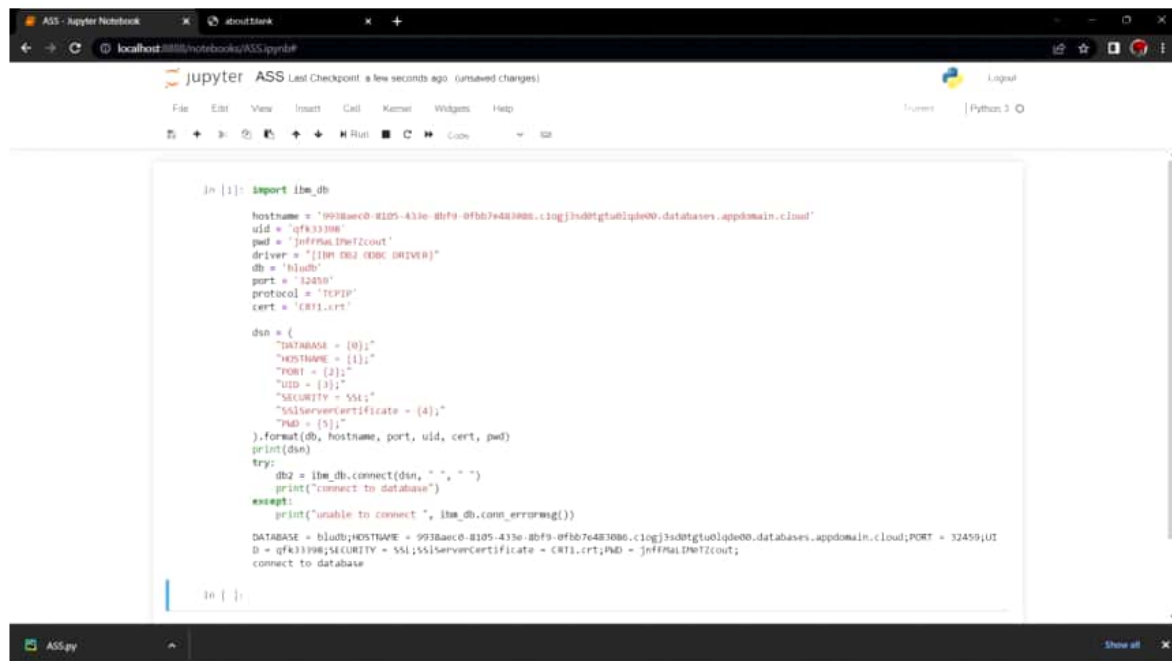


4.CONNECT PYTHON TO db2:



The screenshot shows a Jupyter Notebook in a web browser. The notebook contains a single code cell with the following Python code:

```
In [1]: import ibm_db

hostname = '9938aec0-8105-433e-bbf9-0fb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud'
uid = 'qfk33398'
pwd = 'jnfFMaLIMeTZcout'
driver = '{IBM DB2 ODBC DRIVER}'
db = 'bludb'
port = '32459'
protocol = 'TCPIP'
cert = 'CRT1.crt'

dsn = {
    "DATABASE = {0};"
    "HOSTNAME = {1};"
    "PORT = {2};"
    "UID = {3};"
    "SECURITY = SSL;"
    "SSLServerCertificate = {4};"
    "PWD = {5};"
}.format(db, hostname, port, uid, cert, pwd)
print(dsn)
try:
    db2 = ibm_db.connect(dsn, " ", " ")
    print("connect to database")
except:
    print("unable to connect ", ibm_db.conn_errormsg())

DATABASE = bludb;HOSTNAME = 9938aec0-8105-433e-bbf9-0fb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud;PORT = 32459;UID = qfk33398;SECURITY = SSL;SSLServerCertificate = CRT1.crt;PWD = jnfFMaLIMeTZcout;
connect to database

In [ ]:
```

CODE :

```
import ibm_db
```

```
hostname = '9938aec0-8105-433e-bbf9-0fb7e483086.clogj3sd0tgtu0lqde00.databases.appdomain.cloud'
```

```
uid = 'qfk33398'
```

```
pwd = 'jnfFMaLIMeTZcout'
```

```
driver = "{IBM DB2 ODBC DRIVER}"
```

```
db = 'bludb'
```

```
port = '32459'
```

```
protocol = 'TCPIP'
```

```
cert = 'CRT1.crt'
```

```
dsn = {
```

```
    "DATABASE = {0};"
```

```
    "HOSTNAME = {1};"
```

```
    "PORT = {2};"
```

```
    "UID = {3};"
```

```
"SECURITY = SSL;"
"SSLServerCertificate = {4};"
"PWD = {5};"
).format(db, hostname, port, uid, cert, pwd)
print(dsn)
try:
    db2 = ibm_db.connect(dsn, " ", " ")
    print("connect to database")
except:
    print("unable to connect ", ibm_db.conn_errormsg())
```