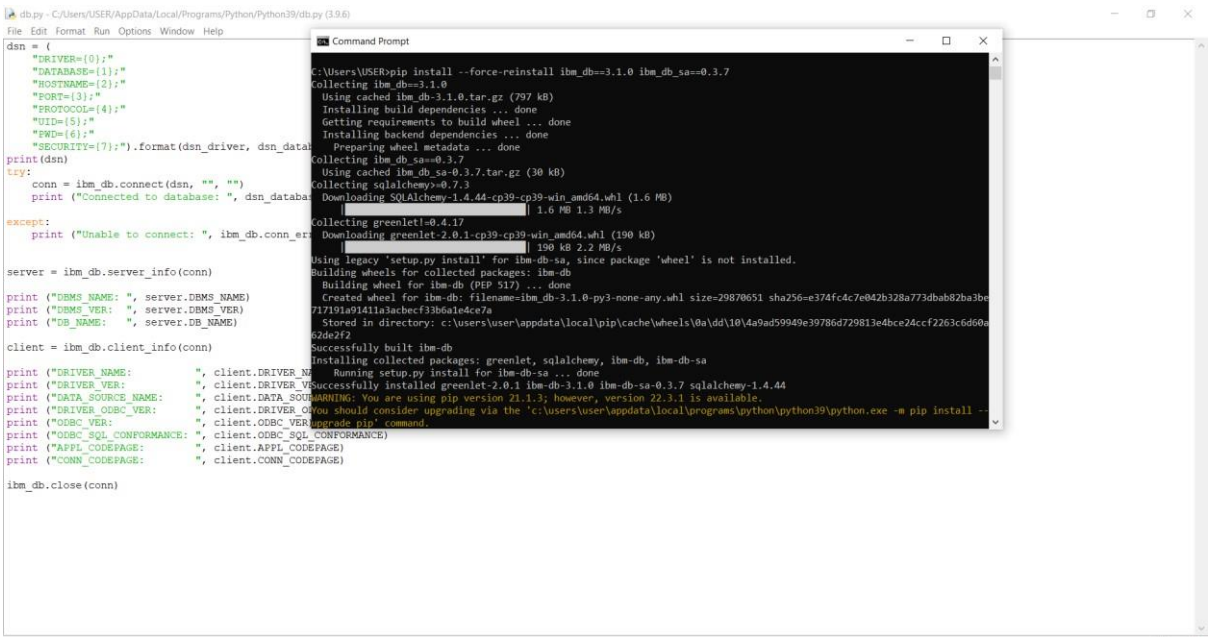
IMPLEMENTING WEB APPLICATION

CREATE IBM DB2 AND CONNECT WITH PYTHON

DATE	14/11/2022
TEAM ID	PNT2022TMID16233
PROJECT NAME	Nutrition Assistant Application

STEP 1: Import the ibm_db Python library pip install --force-reinstall ibm_db==3.1.0 ibm_db_sa==0.3.7



STEP 2: Create the DB2 database connection dsn

```
= (
   "DRIVER={0};"
   "DATABASE={1};"
   "HOSTNAME={2};"
   "PORT={3};"
```

```
    "PROTOCOL={4};"
    "UID={5};"
    "PWD={6};"
    "SECURITY={7};").format(dsn_driver, dsn_database, dsn_hostname,
dsn_port, dsn_protocol, dsn_uid, dsn_pwd,dsn_security) print(dsn)    try:
    conn = ibm_db.connect(dsn, "", "")      print ("Connected to database: ",
dsn_database, "as user: ", dsn_uid, "on host:
", dsn_hostname)    except:
    print ("Unable to connect: ", ibm_db.conn_errormsg() ) server =
ibm_db.server_info(conn)    print ("DBMS_NAME: ",
server.DBMS_NAME) print ("DBMS_VER: ", server.DBMS_VER)
print ("DB_NAME: ", server.DB_NAME)    client =
ibm_db.client_info(conn)    print ("DRIVER_NAME: ",
client.DRIVER_NAME) print ("DRIVER_VER: ",
client.DRIVER_VER) print ("DATA_SOURCE_NAME: ",
client.DATA_SOURCE_NAME) print ("DRIVER_ODBC_VER: ",
client.DRIVER_ODBC_VER) print ("ODBC_VER: ",
client.ODBC_VER)    print ("ODBC_SQL_CONFORMANCE: ",
client.ODBC_SQL_CONFORMANCE)    print ("APPL_CODEPAGE:
", client.APPL_CODEPAGE) print ("CONN_CODEPAGE: ",
client.CONN_CODEPAGE)    ibm_db.close(conn)
```