

CREATE IBM DB2 AND CONNECT WITH PYTHON

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Project Name	PERSONAL EXPENSE TRACKER APPLICATION

STEP 1: Import the ibm_db Python library:

```
!pip install --force-reinstall ibm_db==3.1.0 ibm_db_sa==0.3.7 import  
ibm_db
```

STEP 2: Identify the database connection credentials:

```
import os  
  
from dotenv import load_dotenv  
load_dotenv()  
def get_db_credential():  
  
    db_hostname = os.getenv('DB_HOSTNAME')  
    db_uid = os.getenv('DB_UID')  
    db_pwd = os.getenv('DB_PWD')  
    db_db = os.getenv('DB_DB')  
    db_port = os.getenv('DB_PORT')  
    db_protocol = os.getenv('DB_PROTOCOL')  
    db_credential = (  
        "DATABASE={0};"  
        "HOSTNAME={1};"  
        "PORT={2};"  
        "PROTOCOL={3};"  
        "UID={4};"  
        "PWD={5};"  
        "SECURITY=SSL"  
    ).format(db_db, db_hostname, db_port, db_protocol, db_uid, db_pwd)  
    return db_credential
```

STEP 3: Create the DB2 database connection:

```
conn = ibm_db.connect(get_db_credential(),"","")
```

STEP 4: Close the Connection:

```
ibm_db.close(conn)
```

