

CSV to SQL via JUPYTER

```
!pip install psycopg2-binary
```

```
from sqlalchemy import create_engine
```

```
import pandas as pd
```

```
import os
```

PostgreSQL connection

```
engine =
```

```
create_engine("postgresql+psycopg2://postgres:Viratkohli@localhost:5432/financial_db")
```

Test connection

```
try:
```

```
    conn = engine.connect()
```

```
    print("✅ Connection to PostgreSQL successful!")
```

```
    conn.close()
```

```
except Exception as e:
```

```
    print("❌ Connection failed:", e)
```

Path to your Excel workbook

```
excel_file = r"C:\Users\prane\Downloads\transactions.xlsx"
```

Check if file exists

```
if not os.path.exists(excel_file):
```

```
    raise FileNotFoundError(f"❌ File not found: {excel_file}")
```

Load all sheets

```
xls = pd.ExcelFile(excel_file, engine='openpyxl')  
sheet_names = xls.sheet_names # List of all sheet names in workbook
```

Loop through each sheet and load into PostgreSQL

```
for sheet in sheet_names:
```

```
    df = pd.read_excel(excel_file, sheet_name=sheet, engine='openpyxl')
```

```
    df.to_sql(sheet.lower(), engine, if_exists="replace", index=False) # table name = sheet name
```

```
    print(f"✅ Sheet '{sheet}' loaded into table '{sheet.lower()}' successfully!")
```

```
print("🎯 All sheets processed!")
```