

Connecting to a PostGres DB

In [2]: `!pip install psycopg2`

Requirement already satisfied: psycopg2 in c:\users\water\anaconda3\envs\dse5002\lib\site-packages (2.9.10)

In [3]: `import psycopg2`

In [4]: `import os
from dotenv import find_dotenv, dotenv_values

keys = list(dotenv_values(find_dotenv('.env')).items())
os.environ['POSTGRES_PASS'] = keys[1][1]`

In [5]: `conn = psycopg2.connect(
 host="localhost",
 database="bank",
 user="Lab_03",
 password=os.getenv('POSTGRES_PASS'),
 port="5432"
)

conn.autocommit=True`

In [10]: `cursor = conn.cursor()

cursor.execute("SELECT * FROM account limit 10")
rows = cursor.fetchall()
for row in rows:
 print(row)`

```
(1, 'CHK', 1, datetime.date(2000, 1, 15), None, datetime.date(2005, 1, 4), 'ACTIVE',  
2, 10, 1057.75, 1057.75, 'T')  
(2, 'SAV', 1, datetime.date(2000, 1, 15), None, datetime.date(2004, 12, 19), 'ACTIV  
E', 2, 10, 500.0, 500.0, 'T')  
(3, 'CD', 1, datetime.date(2004, 6, 30), None, datetime.date(2004, 6, 30), 'ACTIVE',  
2, 10, 3000.0, 3000.0, 'T')  
(4, 'CHK', 2, datetime.date(2001, 3, 12), None, datetime.date(2004, 12, 27), 'ACTIV  
E', 2, 10, 2258.02, 2258.02, 'T')  
(5, 'SAV', 2, datetime.date(2001, 3, 12), None, datetime.date(2004, 12, 11), 'ACTIV  
E', 2, 10, 200.0, 200.0, 'T')  
(7, 'CHK', 3, datetime.date(2002, 11, 23), None, datetime.date(2004, 11, 30), 'ACTIV  
E', 3, 13, 1057.75, 1057.75, 'T')  
(8, 'MM', 3, datetime.date(2002, 12, 15), None, datetime.date(2004, 12, 5), 'ACTIV  
E', 3, 13, 2212.5, 2212.5, 'T')  
(10, 'CHK', 4, datetime.date(2003, 9, 12), None, datetime.date(2005, 1, 3), 'ACTIV  
E', 1, 1, 534.12, 534.12, 'T')  
(11, 'SAV', 4, datetime.date(2000, 1, 15), None, datetime.date(2004, 10, 24), 'ACTIV  
E', 1, 1, 767.77, 767.77, 'T')  
(12, 'MM', 4, datetime.date(2004, 9, 30), None, datetime.date(2004, 11, 11), 'ACTIV  
E', 1, 1, 5487.09, 5487.09, 'T')
```