CSV to DB

PostgreSQL

```python
import psycopg2

DB_USER = "postgres"
DB_PASSWORD = "1234"
DB_HOST = "localhost"
DB_PORT = "5432"
DB_NAME = "customer_db"
TABLE_NAME = "customers"

conn = psycopg2.connect(
    dbname=DB_NAME,
    user=DB_USER,
    password=DB_PASSWORD,
    host=DB_HOST,
    port=DB_PORT
)
cursor = conn.cursor()

with open('customers-1000.csv', "r") as file:
    next(file)
    cursor.copy_expert(f"COPY {TABLE_NAME} FROM STDIN WITH CSV HEADER", file)

conn.commit()
cursor.close()
conn.close()

print("Data inserted successfully using COPY!")
```

MYSQL

```
import mysql.connector

DB_USER = "root"
DB_PASSWORD = "1234"
DB_HOST = "localhost"
DB_PORT = "3306"
DB_NAME = "customer_db"
TABLE_NAME = "customers"
CSV_FILE_PATH = "customers-1000.csv"

conn = mysql.connector.connect(
    host=DB_HOST,
    user=DB_USER,
    password=DB_PASSWORD,
    database=DB_NAME,
    allow_local_infile=True
)
cursor = conn.cursor()

query = f"""
    LOAD DATA LOCAL INFILE '{CSV_FILE_PATH}'
    INTO TABLE {TABLE_NAME}
    FIELDS TERMINATED BY ','
    ENCLOSED BY '"'
    LINES TERMINATED BY '\n'
    IGNORE 1 ROWS;
"""

cursor.execute(query)
conn.commit()
cursor.close()
conn.close()

print("Data inserted successfully using LOAD DATA INFILE!")
```

SQLite

```
import sqlite3
import pandas as pd

DB_FILE = "customers.db"
TABLE_NAME = "customers"

df = pd.read_csv('customers-1000.csv')

df = df.drop(columns=['Index'])

df.columns = df.columns.str.lower().str.replace(" ", "_")

conn = sqlite3.connect(DB_FILE)
cursor = conn.cursor()

df.to_sql(TABLE_NAME, conn, if_exists="append", index=False)

conn.commit()
conn.close()

print("Data inserted successfully into SQLite!")
```