

# SQLAlchemy and MySQL

Install dependencies for SQLAlchemy and MySQL:

```
pip install sqlalchemy pymysql python-dotenv
```

Set up a `.env` file containing your DB creds:

```
SQL_HOST=localhost
SQL_PASSWORD=blahblah
SQL_USER=readonly
SQL_DB=my_database_name
```

Once you have set up your `.env` file you can load it into your python script

```
import os
import sqlalchemy
import dotenv

dotenv.load_dotenv()

engine =
sqlalchemy.create_engine(f"mysql+pymysql://{env['SQL_USER']}:{env['SQL_PASSWORD']}@{env['SQL_H
OST']}/{env['SQL_DB']}")

query = """SELECT * FROM table_name WHERE col1="blah" LIMIT 1000"""

with engine.connect() as conn:
    df = pd.read_sql(query, conn)

df.head()
```

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