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# **datacoco-db**

***Release 0.1.0***

**Equinox Fitness**

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Equinox Common Code Utility for Python 3 for DB interactions! There are currently interaction classes for the following DBs and Apps:

- MSSQL
- MySQL
- SQLite
- Postgres
- Redshift



## QUICK START

### Sample Usage

```
from datacoco_db import MSSQLInteraction

mssql = MSSQLInteraction(dbname="db_name",
                        host="server",
                        user="user",
                        password="password",
                        port=1433)

mssql.conn() # open a connection

mssql.batch_open() # cursor

results = mssql.fetch_sql_one("SELECT * FROM MyTable") # fetch one

print(results)

mssql.batch_close() # close cursor
```

The example above makes use of `mssql_tools`. All tools follows the same pattern in terms of usage.





## INSTALLATION

datacoco-db requires Python 3.6+

```
python3 -m venv <virtual env name>
source <virtual env name>/bin/activate
pip install datacoco-db
```



## DEVELOPMENT

### 3.1 Getting Started

It is recommended to use the steps below to set up a virtual environment for development:

```
python3 -m venv <virtual env name>
source <virtual env name>/bin/activate
pip install -r requirements.txt
```



## PYODBC DEPENDENCY INSTALLATION

Installing the Microsoft ODBC Driver for SQL Server on Linux and macOS <https://docs.microsoft.com/en-us/sql/connect/odbc/linux-mac/installing-the-microsoft-odbc-driver-for-sql-server?view=sql-server-ver15>

### 4.1 Testing

```
pip install -r requirements-dev.txt
```

Modify the connection configuration for integration testing.

To run the testing suite, simply run the command: `python -m unittest discover tests`

For coverage report, run `tox` View the results in `.tox/coverage/index.html`

### 4.2 Contributing

Contributions to `datacoco_db` are welcome!

Please reference guidelines to help with setting up your development environment [here](#).