

# test

September 23, 2023

```
In [1]: %load_ext sql
```

```
In [2]: %sql postgresql://student:student@127.0.0.1/sparkifydb
```

```
Out[2]: 'Connected: student@sparkifydb'
```

```
In [3]: %sql SELECT * FROM songplays LIMIT 5;
```

```
* postgresql://student:***@127.0.0.1/sparkifydb  
5 rows affected.
```

```
Out[3]: [(1, 1541990258796, 10, 'free', None, None, '345', 'Washington-Arlington-Alexandria, DC-  
(2, 1541990264796, 53, 'free', None, None, '438', 'Klamath Falls, OR', '"Mozilla/5.0 (W  
(3, 1541990541796, 53, 'free', None, None, '438', 'Klamath Falls, OR', '"Mozilla/5.0 (W  
(4, 1541990752796, 53, 'free', None, None, '438', 'Klamath Falls, OR', '"Mozilla/5.0 (W  
(5, 1541990842796, 29, 'paid', None, None, '389', 'Atlanta-Sandy Springs-Roswell, GA',
```

```
In [4]: %sql SELECT * FROM users LIMIT 5;
```

```
* postgresql://student:***@127.0.0.1/sparkifydb  
5 rows affected.
```

```
Out[4]: [(10, 'Sylvie', 'Cruz', 'F', 'free'),  
(53, 'Celeste', 'Williams', 'F', 'free'),  
(29, 'Jacqueline', 'Lynch', 'F', 'paid'),  
(94, 'Noah', 'Chavez', 'M', 'free'),  
(100, 'Adler', 'Barrera', 'M', 'free')]
```

```
In [5]: %sql SELECT * FROM songs LIMIT 5;
```

```
* postgresql://student:***@127.0.0.1/sparkifydb  
1 rows affected.
```

```
Out[5]: [('SOMZWCG12A8C13C480', 'I Didn't Mean To', 'ARD7TVE1187B99BFB1', 0, 218.93179)]
```

```
In [6]: %sql SELECT * FROM artists LIMIT 5;
```

```
* postgresql://student:***@127.0.0.1/sparkifydb
1 rows affected.
```

```
Out[6]: [('ARD7TVE1187B99BFB1', 'Casual', 'California - LA', nan, nan)]
```

```
In [7]: %sql SELECT * FROM time LIMIT 5;
```

```
* postgresql://student:***@127.0.0.1/sparkifydb
5 rows affected.
```

```
Out[7]: [(1541990258796, 2, 12, 46, 11, 2018, 0),
          (1541990264796, 2, 12, 46, 11, 2018, 0),
          (1541990541796, 2, 12, 46, 11, 2018, 0),
          (1541990752796, 2, 12, 46, 11, 2018, 0),
          (1541990842796, 2, 12, 46, 11, 2018, 0)]
```

## 0.1 REMEMBER: Restart this notebook to close connection to sparkifydb

Each time you run the cells above, remember to restart this notebook to close the connection to your database. Otherwise, you won't be able to run your code in `create_tables.py`, `etl.py`, or `etl.ipynb` files since you can't make multiple connections to the same database (in this case, `sparkifydb`).

```
In [ ]:
```