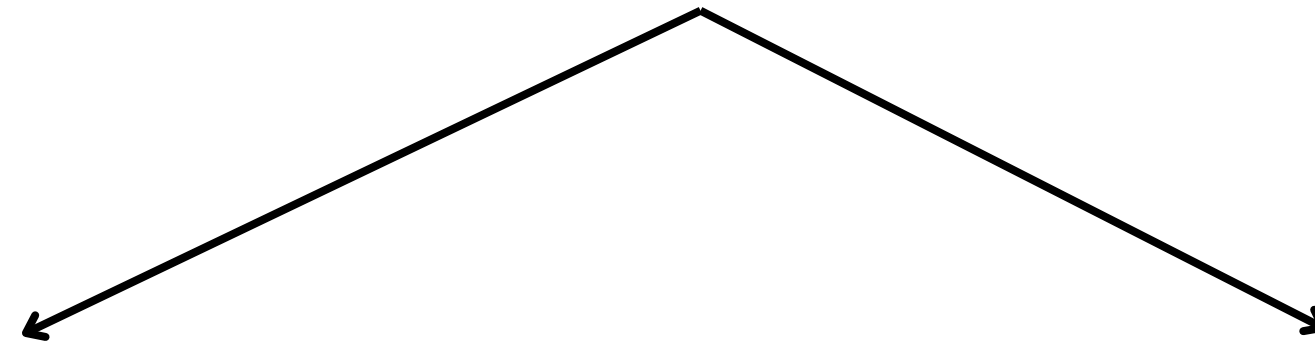


Team Miss Marple



- (1) Importamos pandas y sqlite3
- (2) Establecemos conexión con la base de datos
- (3) Creamos DataFrames de pandas con cada tabla de la base de datos



**Resolución
con SQL**

**Resolución
con Pandas**

Tablas: 'crime_scene_report' y 'person'

SQL

```
query = '''
SELECT description
FROM crime_scene_report
WHERE date = '20180115' AND
      type = 'murder' AND
      city = 'SQL City';
'''
pd.read_sql_query(query, conn)
```

Pandas

```
mask = (crime_scene_report["date"] ==
20180115) & \
        (crime_scene_report["city"] == "SQL City")
& \
        (crime_scene_report["type"] == "murder")

condicion = crime_scene_report[mask]
condicion
```

Testigos: Annabel Miller y Morty Shapiro

Tabla: 'interview'

SQL

```
query = '''  
SELECT transcript  
FROM interview  
WHERE person_id = '16371'  
'''  
pd.read_sql_query(query, conn)
```

Pandas

```
mask = (interview["person_id"] ==  
16371)  
  
condicion = interview[mask]  
condicion
```

Información del asesinato y
datos del asesino

Tablas: 'get_fit_now_check_in' y 'person'

SQL

```
query = ""  
SELECT membership_id  
FROM get_fit_now_check_in  
WHERE membership_id LIKE '48Z%' AND  
check_in_date = '20180109'  
""  
pd.read_sql_query(query, conn)  
)
```

Pandas

```
maskara =  
((get_fit_now_check_in["membership_id"].str.starts  
with("48Z")) & \  
 (get_fit_now_check_in["check_in_date"] ==  
20180109))  
  
condicion = get_fit_now_check_in[maskara]  
condicion
```

Asesino: Jeremy Bowers

Tablas: 'driver_license' y 'person'

SQL

```
query = ""
SELECT p.name, d.height, d.hair_color, d.car_make, d.car_model, d.gender
FROM drivers_license AS d
JOIN person AS p ON d.id = p.license_id
WHERE d.height BETWEEN 65 AND 67
AND d.hair_color = 'red'
AND d.gender = 'female'
AND d.car_make = 'Tesla'
AND d.car_model = 'Model S'
AND p.id IN (
  SELECT f.person_id
  FROM facebook_event_checkin AS f
  WHERE f.event_name = 'SQL Symphony Concert'
);
""
pd.read_sql_query(query, conn)
```

Pandas

```
merged = pd.merge(drivers_license, person, left_on='id', right_on='license_id',
how="inner")
merged.columns

condicion = merged[
  (merged['height'].between(65, 67)) &
  (merged['hair_color'] == 'red') &
  (merged['gender'] == 'female') &
  (merged['car_make'] == 'tesla') &
  (merged['car_model'] == 'model s')
]
event_person_ids =
facebook_event_checkin[facebook_event_checkin['event_name'] == 'SQL
Symphony Concert']['person_id']
condicion = condicion[condicion['id_y'].isin(event_person_ids)]
condicion["name"]
```

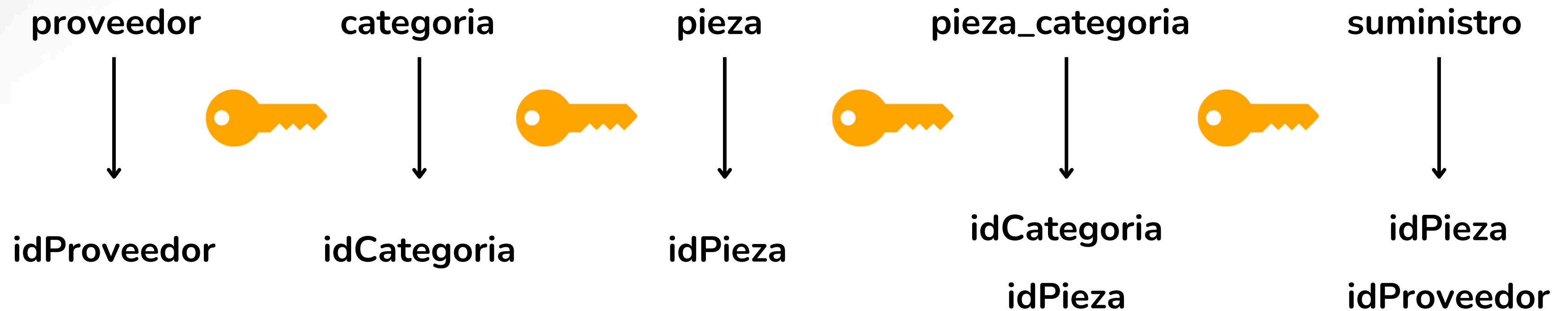
Miranda Priestly es la persona quién
encargó el crimen

Team Miss Marple



(1) Conectamos a una base de datos llamada:
resultado_Miss_Marple.db

(2) Creamos 5 tablas con el comando: **CREATE TABLE IF NOT EXISTS**



DBDiagram.io

