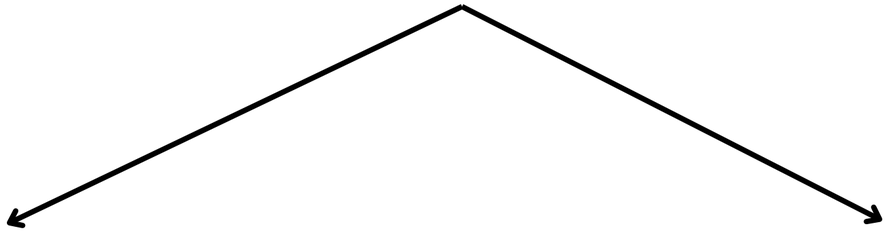
Team Miss Marple

THE BRIDGE

(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

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Tabla 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

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

condicion = crime_scene_report[mascara]
condicion
```

Testigos Annabel Miller y Morty Shapiro

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Tabla interview

SQL

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

Pandas

```
mascara = (interview["person_id"] ==
16371)

condicion = interview[mascara]
condicion
```

Información del asesinato y datos del asesino

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Tabla 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

```
mascara =
((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[mascara]
condicion
```

Asesino Jeremy Bowers

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Tabla 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"]
```

Mandante Miranda Priestly

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