

THE CASE OF THE LOST CRIME SCENE REPORT

SQL Murder Mystery

JAN

15

2018



Winter Internship
By Rahulkannan

Week 5



Problem Statement :

The detective needs the crime scene report for a murder that occurred on Jan. 15, 2018, in SQL City. The report was lost, and your task is to retrieve it from the police department's database.

SOLVING THE CASE:

1. Retrieve the crime scene report from the police database.
2. Use SQL queries to gather information from available sources.
3. Analyze data to identify patterns and potential suspects.
4. Document findings and conclusions based on evidence.



Task 1: Retrieve Crime Scene Report

SQL Query:

```
SELECT *  
FROM crime_scene_report  
WHERE date = '2018-01-15'  
    AND city = 'SQL City'  
    AND crime_type = 'Murder';
```

Crime Scene Report Summary:

Date: 2018-01-15

Type: Murder

Description: Security footage reveals two witnesses. The first witness resides at the last house on Northwestern Dr. The second witness, Annabel, lives on Franklin Ave.

City: SQL City

Task 2: Witness Personal Details

SQL Query:

```
SELECT *
FROM person
WHERE address_street_name =
    'Northwestern Dr'
ORDER BY address_number DESC
LIMIT 1
```

Witness Details:

Name: Morty Schapiro

License ID: 118009

Address: 4919 Northwestern Dr

SSN: 111564949



WHO, WHY, WHEN, HOW?

Task 3 : View Witness Interviews:

SQL Query:

```
SELECT *  
FROM interview  
WHERE person_id IN (14887)
```



Witness Transcript:

Person ID: 14887

Transcript: "I heard a gunshot and then saw a man run out. He had a 'Get Fit Now Gym' bag. The membership number on the bag started with '48Z'. Only gold members have those bags. The man got into a car with a plate that included 'H42W'."

Task 4 : Check Gym Database

SQL Query:

```
SELECT p.* , gfn.membership_start_date,  
       gfn.membership_status  
    FROM person AS p  
INNER JOIN drivers_license AS dl ON dl.id = p.license_id  
INNER JOIN get_fit_now_member AS gfn ON p.id =  
           gfn.person_id  
INNER JOIN get_fit_now_check_in AS gfc ON  
           gfc.membership_id = gfn.id  
WHERE plate_number LIKE '%H42W%'  
      AND gender = 'male'  
      AND membership_status = 'gold'  
      AND gfn.id LIKE '48Z%'  
      AND check_in_date = 20180109
```

CRIME SCENE

DO NOT CROSS



Who killed ?

HELP SOLVE THE MYSTERY ON:

15 JAN 2018 • 7 PM
at the SQL City

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Task 5 : Check Car Details

SQL Query:

```
SELECT *  
FROM drivers_license  
WHERE plate_number = 'OH42W2'
```

Person Details:

ID: 423327

Age: 30

Height: 70 inches

Eye Color: Brown

Hair Color: Brown

Gender: Male

Plate Number: OH42W2

Car Make: Chevrolet

Car Model: Spark LS

Task 6 : Personal Details

SQL QUERY:

```
SELECT *  
FROM PERSON  
WHERE LICENSE_ID = '423327'
```

PERSON DETAILS:

- **ID:** 67318
- **Name:** Jeremy Bowers
- **License ID:** 423327
- **Address:** 530 Washington
Pl, Apt 3A
- **SSN:** 871539279



SQL MURDER MYSTERY

Task 7: Membership Status at the Gym

SQL Query

```
SELECT p.name, p.id AS person_id,  
       gfn.membership_status  
    FROM person AS p  
INNER JOIN get_fit_now_member AS  
      gfn ON p.id = gfn.person_id  
 WHERE p.license_id = '423327'
```

Who Did It?

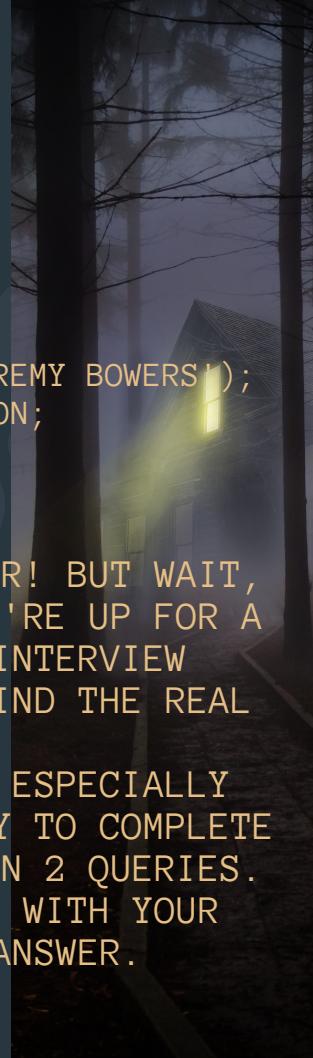
SQL QUERY

```
INSERT INTO SOLUTION VALUES (1, 'JEREMY BOWERS');
SELECT VALUE FROM SOLUTION;
```

VALUE

CONGRATS, YOU FOUND THE MURDERER! BUT WAIT, THERE'S MORE... IF YOU THINK YOU'RE UP FOR A CHALLENGE, TRY QUERYING THE INTERVIEW TRANSCRIPT OF THE MURDERER TO FIND THE REAL VILLAIN

BEHIND THIS CRIME. IF YOU FEEL ESPECIALLY CONFIDENT IN YOUR SQL SKILLS, TRY TO COMPLETE THIS FINAL STEP WITH NO MORE THAN 2 QUERIES. USE THIS SAME INSERT STATEMENT WITH YOUR NEW SUSPECT TO CHECK YOUR ANSWER.





JEREMY BOWERS

The Murderer



530 Washington Pl, Apt 3A
SQL City
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 PreInsta

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Thank
you



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