***SQL Murder Mystery***

**/\*Setting Up the Connection\*/**

use week\_5;

**/\*Getting the data\*/**

SHOW TABLES;

DESCRIBE crime\_scene\_report;

**/\*query\_1\*/**

**/\*Retrieve Crime Scene Report\*/**

SELECT \* FROM crime\_scene\_report WHERE city="SQL City" AND type="murder" ORDER BY date;

**/\*query\_2\*/**

**/\*Going forward with clues in the crime\_scene\_report where one of it is Northwestern Dr street name\*/**

SELECT \* FROM person WHERE address\_street\_name="Northwestern Dr" ORDER BY address\_number DESC LIMIT 1 ;

**/\*QUERY\_3\*/**

**/\*Second clue in the crime\_scene\_report is Franklin street name\*/**

SELECT \* FROM person WHERE address\_street\_name="Franklin Ave" ORDER BY address\_number;

SELECT \* FROM person WHERE address\_street\_name="Franklin Ave" AND name LIKE'%Annabel%';

**/\*QUERY\_4\*/**

SELECT \* FROM interview WHERE person\_id IN (14887,16371);

**/\*QUERY\_5\*/**

**/\*Finding the murderer\*/**

SELECT \* FROM get\_fit\_now\_check\_in;

SELECT p.id,p.name,p.license\_id,p.address\_number,p.address\_street\_name,p.ssn,gfn.membership\_sta\_date,

gfn.membership\_status FROM person AS p

LEFT JOIN drivers\_license AS dl ON dl.id=p.license\_id

LEFT JOIN get\_fit\_now\_member AS gfn ON p.id=gfn.person\_id

WHERE plate\_number LIKE"%H42W%" AND membership\_status="gold" AND gfn.id like"%48Z%" ;

**/\*QUERY\_6\*/**

**/\*importing the murderer details in solution table\*/**

SELECT \* FROM solution;

ALTER TABLE solution

MODIFY COLUMN user VARCHAR(20),

MODIFY COLUMN value VARCHAR(50);

INSERT INTO solution VALUES (1, 'Jeremy Bowers');

SELECT \* FROM solution;

SELECT value FROM solution;

**/\*QUERY\_7\*/**

**/\*There is still more. So now investigating on Jeremy Bowers interview to get know the villain of this murder\*/**

SELECT \* FROM interview WHERE person\_id=67318;

**/\*QUERY\_8\*/**

**/\*Finding the real villain behind the murder\*/**

SELECT p.id,p.name,p.license\_id,p.address\_number,p.address\_street\_name,p.ssn,dl.car\_make,dl.car\_model,

dl.hair\_color,dl.height,i.annual\_income FROM person AS p

LEFT JOIN income AS i ON i.ssn=p.ssn

LEFT JOIN drivers\_license AS dl on dl.id=p.license\_id

LEFT JOIN facebook\_event\_checkin AS fec ON p.id=fec.person\_id

WHERE car\_model="Model S" AND car\_make="Tesla" AND height BETWEEN 65 AND 67 AND hair\_color="red"

AND event\_name="SQL Symphony Concert" AND date BETWEEN 20171201 AND 20171231;

**/\*So...the murderer is Jeremy Bowers and the villain is Miranda Priestly\*/**