FSW-140

WEEK-3\_ The New Avengers

Aimal Khan

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**The New Avengers**

1. Show all of the information on the Avengers.

a. Query: SELECT \* FROM avengers;

b. Columns:  21

c. Expected row count: 342

d. Screenshot:

Graphical user interface, text, application

Description automatically generated

2. Create a new table with information from another super hero group [can be imported from elsewhere or fictitious]. Make sure there is an appropriate header and must be at least 30 rows.

a. Query:

CREATE TABLE dcsuperheroes (page\_id int,

name varchar(50),

urlslug varchar(100),

ALIGN varchar(25),

EYE varchar(5), SEX varchar(6),

GSM varchar(50),

ALIVE varchar(25),

APPEARANCES int,

FIRSTAPPEARANCE varchar(25),

year int);

b. Columns:  10

c. Expected row count: 6481

d. Screenshot:

A picture containing text, screenshot, indoor

Description automatically generated

3. Add a column to your new table (let us call it the new superheros) for those who are interested in joining the Avengers. Make this be randomly assigned. Hint: it is okay for this to be a multi-step query. You will have to use rand() function and CASE WHEN statement too.

a. Query:

ALTER TABLE dcsuperheroes

ADD COLUMN news\_superheroes varchar(50);

SELECT id, name FROM dcsuperheroes

ORDER BY name

LIMIT 20;

b. Columns:  15

c. Expected row count:  6481

d.ScreeShot Screenshot: Graphical user interface, text, application

Description automatically generated

4. Add a column to your new table (the new superheros) for their favorite Avenger (have it randomly choose between Anthony Edward "Tony" Stark, Robert Bruce Banner, & Victor Shade).

a. Query:

use avengers;

ALTER TABLE dcsuperheroes

ADD column fav\_avengers varchar(50);

UPDATE dcsuperheroes SET fav\_avengers = (CASE

WHEN RAND() = 0.3 THEN 'Anthony Edward "Tony" Stark'

WHEN RAND() > 0.6 THEN 'Robert Brue Banner'

ELSE 'Victor Shade'

END);

SELECT fav\_avengers FROM dcsuperheroes;

b. Columns:  15

c. Expected row count: 6481

d. Screenshot:

A picture containing text, screenshot, indoor

Description automatically generated

**Somehow I couldn’t JOIN the tables. I did couple different ways but I am not sure why it returns 0.**

5. Use a JOIN statement between the two tables for who is interested in joining the Avengers.

a. SELECT dcsuperheroes.name, avengers.fullAvengersIntro from dcsuperheroes

JOIN avengers ON dcsuperheroes.fav\_avengers=avengers.name;

b. Columns: 14

c. Expected row count: 0

d. Screenshot:

Graphical user interface, text, application

Description automatically generated

6. List all Avengers who have more than 1000 appearances in alphabetic order.

a. SELECT \* FROM avengers.avengers WHERE appearances >= 1000 order by name;

b. Columns:  15

c. Expected row count: 40

d. Screenshot:

Graphical user interface, text, application

Description automatically generated

7 What Avengers do not have more than 1000 appearances?.

a. SELECT \* FROM avengers.avengers WHERE appearances >= 999 order by appearances;

b. Columns: 15

c. Expected row count: 40

d. Screenshot:

Graphical user interface, text, application, email

Description automatically generated

8. Not more than 500?

a. SELECT \* FROM avengers.avengers WHERE appearances <= 500 order by appearances;

b. Columns: 15

c. Expected row count: 256

d. Screenshot:

Graphical user interface, text, application

Description automatically generated

9. Not more than 50 and female?

a. SELECT \* FROM avengers.avengers WHERE appearances <= 50 AND gender = 'FEMALE';

b. Columns: 15

c. Expected row count: 38

d. Screenshot:

Graphical user interface, text, application

Description automatically generated

10. More than 150, male, and are full members?

a. Query: SELECT \* FROM avengers;

b. Columns: 15

c. Expected row count: 102

d. Screenshot:

Graphical user interface, text, application

Description automatically generated