

Stranger Things universe SQL Analysis



Challenge

The challenge is to craft SQL queries that provide valuable insights into the Stranger Things universe.

Table

1. Characters
2. Locations
3. Events
4. Relationships
5. Monsters



Questions

- Retrieve the names of the characters?
- Find characters with age greater than 18?
- Find events in Season 2?
- Get details of the 'Mind Flayer' monster?
- Retrieve characters and their associated events?
- Calculate the total number of characters from each hometown?
- Retrieve characters who were involved in events in Season 1 or Season 2?
- Find the top 3 oldest characters?
- Find the average age of characters in Hawkins?
- Rank characters by age in descending order?

Retrieve the names of the characters?

```
135  
136      #Retrieve the names of the characters?  
137 •  select distinct name from characters;  
138  
139
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

name
Eleven
Mike Wheeler
Dustin Henderson
Lucas Sinclair
Will Byers
Joyce Byers
Jim Hopper
Steve Harrington
Jonathan Byers
Nancy Wheeler

characters 53 ×

Find characters with age greater than 18?

```
136  
137  
138  
139      #Find characters with age greater than 18?  
140 •  select name , age from characters  
141      where age>18;  
142
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

	name	age
▶	Joyce Byers	42
	Jim Hopper	45
	Jonathan Byers	19

Find events in Season 2?

```
141
142      #Find events in Season 2?
143 •  select event_name , season from events
144      where season=2;
145
```

Result Grid | Filter Rows: Export: Wrap Cell Content

	event_name	season
▶	Demogorgon Attack on School	2
	The Mind Flayer	2
	The Upside Down	2

Get details of the 'Mind Flayer' monster?

The screenshot shows a MySQL Workbench interface. The SQL editor window contains the following code:

```
146      #Get details of the 'Mind Flayer' monster?
147 •  select * from monsters
148      where name="Mind Flayer";
149
150
151
152
153
154
```

The result grid below displays the query results:

	monster_id	name	type	abilities
▶	2	Mind Flayer	Eldritch Horror	Mind control, ability to possess creatures
●	NULL	NULL	NULL	NULL

Calculate the total number of characters from each hometown?

```
149      #Calculate the total number of characters from each hometown?  
150 •  select count(character_id) as total_character , hometown from characters  
151      group by hometown order by total_character;  
152  
153  
154  
155  
156
```

Result Grid | Filter Rows: _____ | Export: | Wrap Cell Content: |

	total_character	hometown
▶	10	Hawkins

Find the top 3 oldest characters?

The screenshot shows a SQL editor interface with the following details:

- Title Bar:** 92.7 BIG FM radio network Anal... SQL File 3*
- Toolbar:** Includes icons for file operations, search, and other database functions.
- Query Area:** Displays the following SQL code:

```
154
155  #Find the top 3 oldest characters?
156 • select * from characters
157  order by age desc limit 3;
158
159
160
161
162
```
- Result Grid:** Shows the results of the query in a tabular format. The columns are: character_id, name, age, occupation, hometown, and introduction. The data rows are:

	character_id	name	age	occupation	hometown	introduction
▶	7	Jim Hopper	45	Chief of Police	Hawkins	Protector of the town and Eleven.
▶	6	Joyce Byers	42	Retail Clerk	Hawkins	Mother of Will and Jonathan.
▶	9	Jonathan Byers	19	Photographer	Hawkins	Will's older brother and a close friend of Nancy.
*	NULL	NULL	NULL	NULL	NULL	NULL
- Status Bar:** Shows "characters 60" at the bottom left.

Find the average age of characters in Hawkins?

```
159
160
161
162      #Find the average age of characters in Hawkins?
163 •  select avg(age) , hometown from characters
164      where hometown="Hawkins";
165
166
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

avg(age)	hometown
22.0000	Hawkins

Rank characters by age in descending order?

```
168
169
170
171      #Rank characters by age in descending order?
172 •  SELECT name, age, DENSE_RANK() OVER(ORDER BY age DESC) AS rnk FROM characters;
173
```

Result Grid | Filter Rows: Export: Wrap Cell Content:

	name	age	rnk
▶	Jim Hopper	45	1
	Joyce Byers	42	2
	Jonathan Byers	19	3
	Steve Harrington	18	4
	Nancy Wheeler	17	5
	Mike Wheeler	16	6
	Dustin Henderson	16	6
	Lucas Sinclair	16	6
	Will Byers	16	6
	Eleven	15	7

Result 62 ×