# SQL Crossword #3:

## Solve Tasks and Win Prizes! (Halloween Edition)

Our Halloween database has three tables:

- **`City`**—information about cities and its population (in thousands) where the characters plan to go trick-or-treating.
- **`Character`**—information about the characters celebrating Halloween.
- **`CharacterCity`**—information about where each of character plans to spend Halloween (each character can visit more than one city on this day).

City table:

| Id | Name | Population |
|---|---|---|
| 1 | Mexico | 8721 |
| 2 | Salem | 41 |
| 3 | London | 8000 |
| 4 | Prague | 1281 |
| 5 | Hong Kong | 7347 |
| 6 | Atlanta | 420 |
| 7 | Venice | 1767 |
| 8 | Chicago | 2707 |

CharacterCity table:

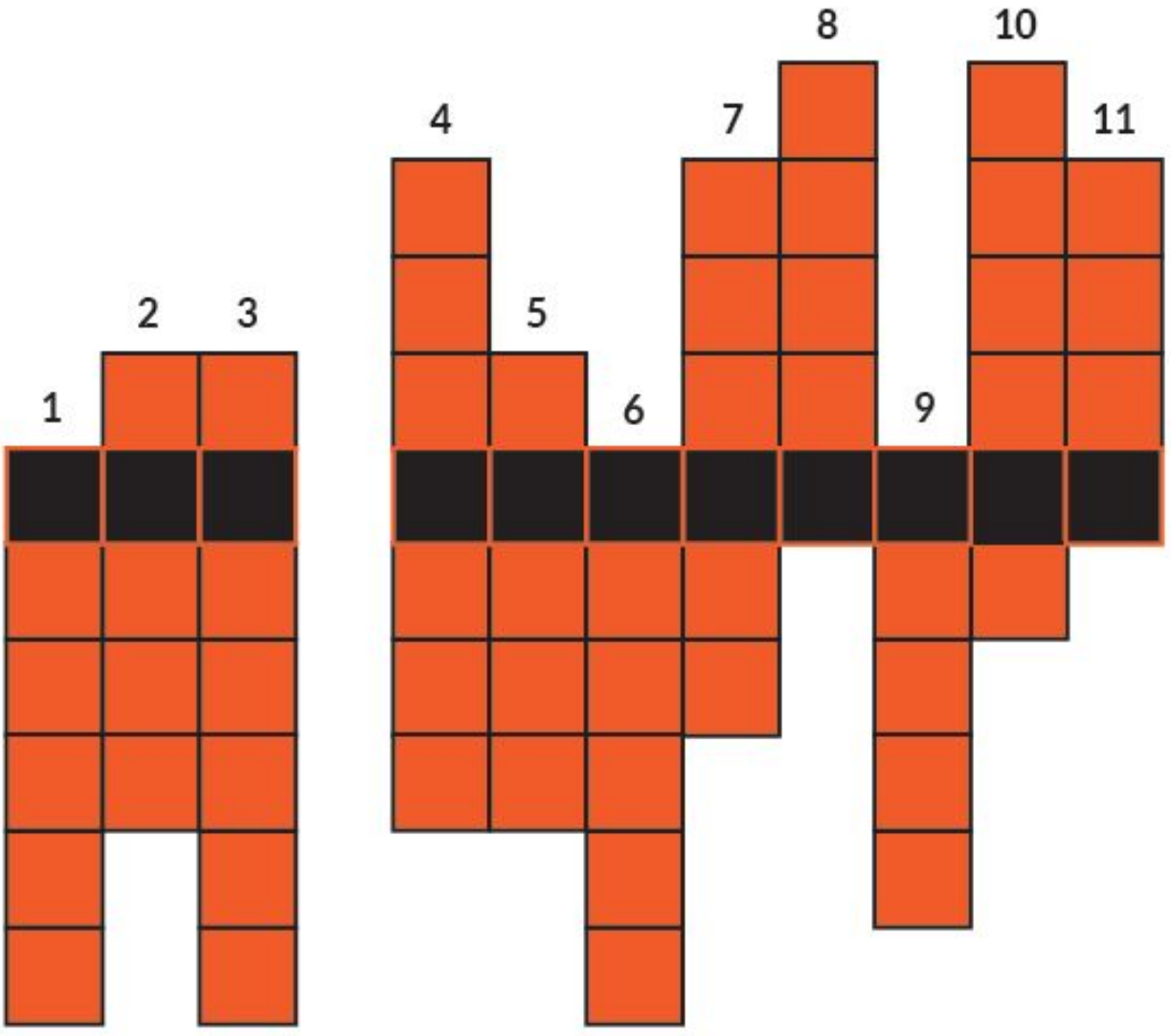
| CityId | CharacterId |
|---|---|
| 1 | 2 |
| 1 | 3 |
| 6 | 1 |
| 6 | 3 |
| 6 | 5 |
| 6 | 8 |
| 2 | 2 |
| 3 | 4 |
| 4 | 7 |
| 3 | 1 |

Character table:

| Id | Name | Age |
|---|---|---|
| 1 | Monster | 24 |
| 2 | Devil | 18 |
| 3 | Clown | 20 |
| 4 | Ghost | 22 |
| 5 | Spider | 20 |
| 6 | Skeleton | 18 |
| 7 | Witch | 20 |
| 8 | Zombie | 19 |

Solve the crossword to reveal the name of the person who was among those who discovered the Halloween Problem in databases.

1. Find out what population is less than or equal to 2500 and greater than or equal to 1200. Sort the data set in ascending order. The first city from the result set is the solution.
2. Find the name of the city with the smallest population among all cities.
3. Name the city that was visited by more than three characters.
4. Find all names containing the character sequence “on” and sort them in ascending order. The name of the first character is the solution.
5. Find the character whose age is 18 or 22 and whose name contains an “i”.
6. Discover which city’s population can be divided evenly by 100.
7. Check which cities weren’t visited by any of the characters, and place them in descending order. The name of the first city is the solution.
8. Which characters with the letter “o” in their name visited more than one city? Sort the results in ascending order by name. The first name is the solution.
9. Find the name of the character who’s older than the average character age.
10. Determine which character visited Atlanta; their name contains the letter “i” and an “e” as the second-to-last character.
11. How many characters visited the most frequented city?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