* Must have database with at least 2 tables and one database join
  + One table Users
    - id
    - Username
    - Salted and hashed passwords
    - Your personal best time FOR EACH PUZZLE
    - Number of puzzles completed?
  + One table Puzzles
    - Puzzle id
    - Initial version of the puzzle
    - Completed version of the puzzle
    - Fastest time completed
    - Who completed it in the fastest time

Use sudoku;

Describe users;

CREATE TABLE users (id int(11) NOT NULL AUTO\_INCREMENT, username VARCHAR(64) NOT NULL, hash varchar(255) NOT NULL, puzzles\_completed int(2) NOT NULL, PRIMARY KEY(id));

ALTER TABLE users ADD COLUMN Puzzle\_1\_Best\_Time int(33) NOT NULL; UPDATE Users SET Puzzle\_1\_Best\_Time = '0';

CREATE TABLE puzzles (id int(11) NOT NULL AUTO\_INCREMENT, initial\_state VARCHAR(81) NOT NULL, completed\_state varchar(81) NOT NULL, PRIMARY KEY(id));

Solution string (unfinished and finished) for puzzle 1:

080040075620509000040001000500007400700108009002300007000400060000602091290010080

189246375627539148345871926518967432734128659962354817871495263453682791296713584