SQL 200 Lab - INNER JUINS

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DIRECTIONS:

- Copy your answers from SQLZoo into this document on the next page. If you can't get one right, come see me in office hours or call me over during class to discuss.
- Add any notes you need to your google cheatsheet, ie, examples that you may want to review for the proficiency exam.
- To get credit, you will submit the link to this document in BB. Note: You will receive a 0 if you share this file with me incorrectly, which will mean that I cannot open it. If needed, here's a video on how to correctly share the google doc with me when giving me a link in BB.

VIDEO ON HOW TO SHARE A GOOGLE DOC LINK WITH A PROFESSOR

SQL LAB - PRACTICE WITH INNER JOIN

The goal of this lab is to become familiar with:

- INNER JOIN
- More CASE WHEN THEN

DIRECTIONS:

- Make a copy of this document and replace your name above.
- Go to the link below which takes you to a SQL ZOO Practice area for joins.
- As you complete each problem, paste your answer below.
- Take notes in your notes google doc if needed.
- Paste a shareable link to your copied document in BB by the due date.

SQL ZOO LINK YOU NEED:

- https://sqlzoo.net/wiki/The_JOIN_operation
- https://sqlzoo.net/wiki/JOIN Quiz

WRITE YOUR ANSWERS TO THIS LINK BELOW: https://sqlzoo.net/wiki/The_JOIN_operation

Your answer to #1:

```
SELECT matchid, player
FROM goal
WHERE teamid = 'GER';
```

• Your answer to #2:

```
SELECT id,stadium,team1,team2
FROM game
WHERE id = '1012';
```

Your answer to #3:

```
SELECT player, teamid, stadium, mdate
FROM game
JOIN goal
ON (id=matchid)
WHERE teamid = 'GER';
```

Your answer to #4:

```
SELECT team1, team2, player
FROM goal
JOIN game
ON (matchid = id)
WHERE player LIKE 'Mario%';
```

• Your answer to #5:

```
SELECT player, teamid, coach, gtime
FROM goal
JOIN eteam
ON (teamid = id)
WHERE gtime<=10;
```

Your answer to #6:

```
SELECT mdate, teamname
FROM game
JOIN eteam
ON (team1=eteam.id)
WHERE coach LIKE 'Fernando%';
```

Your answer to #7:

```
SELECT player
FROM goal
JOIN game
ON (id = matchid)
WHERE stadium = 'National Stadium, Warsaw';
```

Your answer to #8:

```
SELECT DISTINCT(player)
FROM game
JOIN goal
ON matchid = id
WHERE (team1='GER' OR team2='GER') AND teamid <> 'GER'
```

Your answer to #9:

```
SELECT DISTINCT(teamname), COUNT(*)
FROM eteam
JOIN goal
ON id = teamid
GROUP BY teamname
```

• Your answer to #10:

```
SELECT stadium, COUNT(*)
FROM game
JOIN goal
ON id=matchid
GROUP BY stadium
```

Your answer to #11:

```
SELECT matchid, mdate, COUNT(*)
FROM game
JOIN goal
ON matchid = id
WHERE (team1 = 'POL' OR team2 = 'POL')
GROUP BY matchid, mdate
```

Your answer to #12:

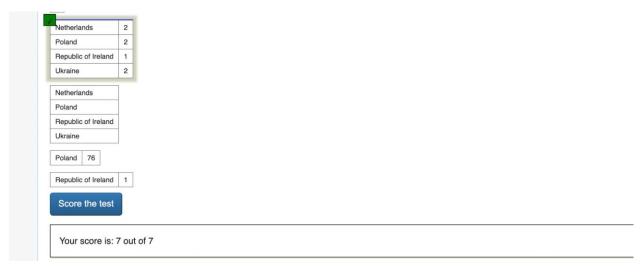
```
SELECT matchid, mdate, COUNT(*)
FROM goal
JOIN game
ON matchid=id
WHERE teamid='GER'
GROUP BY matchid, mdate
```

Your answer to #13:

```
SELECT mdate, team1,
 SUM(CASE
    WHEN teamid=team1
    THEN 1
    ELSE 0
     END)
score1,
team2,
 SUM(CASE
    WHEN teamid=team2
    THEN 1
    ELSE 0
     END)
score2
FROM game
 LEFT JOIN goal
   ON matchid = id
GROUP BY mdate, matchid, team1, team2
```

Complete the quiz on next page...

Now try the quiz: Did you get them all right? If not, which did you get wrong? Paste them below.



• https://sqlzoo.net/wiki/JOIN Quiz