

# SQL Zoo Lab - INNER JOINS

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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/The_JOIN_operation)
- [https://sqlzoo.net/wiki/JOIN\\_Quiz](https://sqlzoo.net/wiki/JOIN_Quiz)

WRITE YOUR ANSWERS TO THIS LINK BELOW: [https://sqlzoo.net/wiki/The\\_JOIN\\_operation](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=etteam.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.

Netherlands	2
Poland	2
Republic of Ireland	1
Ukraine	2

Netherlands
Poland
Republic of Ireland
Ukraine

Poland	76
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Republic of Ireland	1
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Score the test

Your score is: 7 out of 7

- [https://sqlzoo.net/wiki/JOIN\\_Quiz](https://sqlzoo.net/wiki/JOIN_Quiz)