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SQL HW 3 - PRACTICE WITH JOIN

The goal of this lab is to become familiar with:

- JOIN
- CASE WHEN

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

YOUR ANSWERS:

- 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 game
    JOIN goal
    ON (id=matchid)
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 = 'Fernando Santos'
```

- Your answer to #7:

```
SELECT player
FROM game
    JOIN goal
    ON game.id = goal.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 teamname, COUNT(player)
FROM eteam
    JOIN goal
    ON id=teamid
GROUP BY teamname
ORDER BY teamname
```

- Your answer to #10:

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

- Your answer to #11:

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