

SQL Practice

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Quiz 1 & 2 Description:

- * The first quiz is to practice the 'Select' with other statements
- * The second quiz is to practice the 'Join' with other statements

Quiz 1 Result (7 out of 7):

Score the test

Your score is: 7 out of 7

Quiz 2 Result (7 out of 7):

Score the test

Your score is: 7 out of 7

Below are my answer to each quiz:

Quiz 1 Answers:

Q1. I have selected the third answer.

1. Select the code which produces this table

name	population
Bahrain	1234571
Swaziland	1220000
Timor-Leste	1066409

```
FROM world
SELECT name, population BETWEEN 1000000 AND 1250000
```

```
FROM name, population
WHERE population BETWEEN 1000000 AND 1250000
SELECT world
```

```
SELECT name, population
FROM world
WHERE population BETWEEN 1000000 AND 1250000
```

```
SELECT population BETWEEN 1000000 AND 1250000
FROM world
```

```
WHERE population BETWEEN 1000000 AND 1250000
SELECT name, population FROM world
```

Q2. I have selected the last answer (Table -E).

2. Pick the result you would obtain from this code:

```
SELECT name, population
FROM world
WHERE name LIKE "Al%"
```

Table-A

Albania
Algeria

Table-B

%bania	3200000
%geria	32900000

Table-C

Al	0
----	---

Table-D

Albania	3200000
---------	---------

Table-E

<input type="radio"/>	Albania	3200000
	Algeria	32900000

Q3. I have selected the last answer .

3. Select the code which shows the countries that end in A or L

```
SELECT name FROM world
WHERE name LIKE 'a%' AND name LIKE 'l%'
```

```
SELECT name FROM world
WHERE name LIKE 'a%' OR name LIKE 'l%'
```

```
SELECT name FROM world
WHERE name LIKE '%a' AND name LIKE '%l'
```

```
SELECT name FROM world
WHERE name LIKE '%a' OR 'l%'
```

☐

```
SELECT name FROM world
WHERE name LIKE '%a' OR name LIKE '%l'
```

Q4. I have selected the third answer.

4. Pick the result from the query

```
SELECT name,length(name)
FROM world
WHERE length(name)=5 and region='Europe'
```

name	length(name)
Benin	5
Lybia	5
Egypt	5

name	length(name)
Italy	5
Egypt	5
Spain	5

☐

name	length(name)
Italy	5
Malta	5
Spain	5

name	length(name)
Italy	5
France	6
Spain	5

name	length(name)
Sweden	6
Norway	6
Poland	6

Q5. I have selected the third answer.

5. Here are the first few rows of the world table:

name	region	area	population	gdp
Afghanistan	South Asia	652225	26000000	
Albania	Europe	28728	3200000	6656000000
Algeria	Middle East	2400000	32900000	75012000000
Andorra	Europe	468	64000	
...				

Pick the result you would obtain from this code:

```
SELECT name, area*2 FROM world WHERE population = 64000
```

Andorra	234
---------	-----

Andorra	468
---------	-----

<input checked="" type="radio"/>	Andorra	936
----------------------------------	---------	-----

Andorra	4680
---------	------

Andorra	936
Albania	57456

Q6. I have selected the third answer.

6. Select the code that would show the countries with an area larger than 50000 and a population smaller than 10000000

```
SELECT name, area, population
FROM world
WHERE area < 50000 AND population < 10000000
```

```
SELECT name, area, population
FROM world
WHERE area < 50000 AND population > 10000000
```



```
SELECT name, area, population
FROM world
WHERE area > 50000 AND population < 10000000
```

```
SELECT name, area, population
FROM world
WHERE area > 50000 AND population > 10000000
```

```
SELECT name, area, population
FROM world
WHERE area = 50000 AND population = 10000000
```

Q7. I have selected the third answer.

7. Select the code that shows the population density of China, Australia, Nigeria and France

```
SELECT name, area/population
FROM world WHERE name IN ('China', 'Nigeria', 'France', 'Australia')
```

```
SELECT name, area/population
FROM world WHERE name LIKE ('China', 'Nigeria', 'France', 'Australia')
```



```
SELECT name, population/area
FROM world
WHERE name IN ('China', 'Nigeria', 'France', 'Australia')
```

```
SELECT name, population/area
FROM world
WHERE name LIKE ('China', 'Nigeria', 'France', 'Australia')
```

```
SELECT name, population
FROM world
WHERE name IN ('China', 'Nigeria', 'France', 'Australia')
```


Quiz 2 Answers:

Q1. I have selected the fourth answer.

1. You want to find the stadium where player 'Dimitris Salpingidis' scored. Select the JOIN condition to use:

eteam JOIN game ON (id=team1)

eteam JOIN game ON (id=team2)

eteam JOIN goal ON (teamid=id)



game JOIN goal ON (id=matchid)

game JOIN goal ON (team1=teamid OR team2=teamid)

Q2. I have selected the third answer.

2. You JOIN the tables **goal** and **eteam** in an SQL statement. Indicate the list of column names that may be used in the SELECT line:

gtime, mdate, stadium, matchid

mdate, stadium, id



matchid, teamid, player, gtime, id, teamname, coach

matchid, teamid, player, gtime, mdate, stadium, team1

stadium, team1, team2

Q3. I have selected the first answer.

3. Select the code which shows players, their team and the amount of goals they scored against Greece(GRE).



```
SELECT player, teamid, COUNT(*)
FROM game JOIN goal ON matchid = id
WHERE (team1 = "GRE" OR team2 = "GRE")
AND teamid != 'GRE'
GROUP BY player, teamid
```

```
SELECT player, teamid, COUNT(*)
FROM game JOIN goal ON matchid = id
WHERE (team1 = "GRE") AND teamid != 'GRE'
GROUP BY player, teamid
```

```
SELECT player, teamid, COUNT(*)
FROM game JOIN goal ON matchid = id
WHERE (team1 = "POL" OR team2 = "POL")
AND teamid != 'POL'
GROUP BY player, teamid
```

```
SELECT player, teamid, COUNT(*)
FROM game JOIN goal WITH matchid = id
WHERE (team1 = "GRE" OR team2 = "GRE")
AND teamid != 'GRE'
GROUP BY player, teamid
```

```
SELECT player, teamid
FROM game JOIN goal ON matchid = id
WHERE (team1 = "GRE" OR team2 = "GRE")
AND teamid != 'GRE'
GROUP BY player, teamid
```

Q4. I have selected the first answer.

4. Select the result that would be obtained from this code:

```
SELECT DISTINCT teamid, mdate
  FROM goal JOIN game on (matchid=id)
 WHERE mdate = '9 June 2012'
```



DEN	9 June 2012
GER	9 June 2012

DEN
GER

DEN	9 June 2012
DEN	9 June 2012
POL	9 June 2012
RUS	9 June 2012

GRE
CZE
POL
RUS

RUS	9 June 2012
GRE	9 June 2012
RUS	9 June 2012
CZE	9 June 2012

Q5. I have selected the second answer.

5. Select the code which would show the player and their team for those who have scored against Poland(POL) in National Stadium, Warsaw.

```
SELECT DISTINCT player, teamid
FROM game JOIN goal ON matchid = id
WHERE stadium = 'National Stadium, Warsaw'
AND (team1 = 'GER' OR team2 = 'GER')
AND teamid != 'GER'
```

```
SELECT DISTINCT player, teamid
FROM game JOIN goal ON matchid = id
WHERE stadium = 'National Stadium, Warsaw'
AND (team1 = 'POL' OR team2 = 'POL')
AND teamid != 'POL'
```

```
SELECT DISTINCT player, teamid
FROM game JOIN goal ON matchid = id
WHERE stadium = 'National Stadium, Warsaw' AND teamid != 'POL'
```

```
SELECT DISTINCT player, teamid
FROM game JOIN goal ON matchid = id
WHERE stadium = 'Stadion Miejski (Wroclaw)'
AND (team1 = 'POL' OR team2 = 'POL')
AND teamid != 'POL'
```

```
SELECT DISTINCT stadium, mdate
FROM game JOIN goal ON matchid = id
WHERE stadium = 'National Stadium, Warsaw'
AND (team1 = 'POL' OR team2 = 'POL')
AND teamid != 'POL'
```

Q6. I have selected the third answer.

6. Select the code which shows the player, their team and the time they scored, for players who have played in Stadion Miejski (Wroclaw) but not against Italy(ITA).

```
SELECT DISTINCT player, teamid, gtime
FROM game JOIN goal ON matchid = id
WHERE stadium = 'National Stadium, Warsaw'
AND (( teamid = team2 AND team1 != 'ITA') OR ( teamid = team1 AND team2 != 'ITA'))
```

```
SELECT DISTINCT player, teamid, gtime
FROM game JOIN goal ON matchid = id
WHERE stadium = 'Stadion Miejski (Wroclaw)'
AND (( teamid = team2 AND team1 != 'ESP') OR ( teamid = team1 AND team2 != 'ESP'))
```

```
SELECT DISTINCT player, teamid, gtime
FROM game JOIN goal ON matchid = id
WHERE stadium = 'Stadion Miejski (Wroclaw)'
AND (( teamid = team2 AND team1 != 'ITA') OR ( teamid = team1 AND team2 != 'ITA'))
```

```
SELECT DISTINCT teamid, gtime
FROM game JOIN goal ON matchid = id
WHERE stadium = 'Stadion Miejski (Wroclaw)'
AND (( teamid = team2 AND team1 != 'ITA') OR ( teamid = team1 AND team2 != 'ITA'))
```

```
SELECT DISTINCT player, teamid, gtime
FROM game JOIN goal ON matchid = id
WHERE team1 != 'ITA' AND team2 != 'ITA'
```

Q7. I have selected the second answer.

7. Select the result that would be obtained from this code:

```
SELECT teamname, COUNT(*)  
  FROM eteam JOIN goal ON teamid = id  
 GROUP BY teamname  
HAVING COUNT(*) < 3
```

2
2
1
2

✓	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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