

TASK SQL

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Tech mind

Total world population

1. 😊

Show the total **population** of the world.

```
world(name, continent, area, population, gdp)
```

```
SELECT SUM(population)
FROM world
```

Submit SQL

restore default

Correct answer

SUM(population)
7118632738

List of continents

2. 😊

List all the continents - just once each.

```
SELECT DISTINCT continent FROM world;
```

Submit SQL

restore default

Correct answer

continent
Africa
Asia
Caribbean
Eurasia
Europe
North America
Oceania
South America

GDP of Africa

3. 😊

Give the total GDP of Africa

```
SELECT SUM(gdp) FROM world WHERE continent='Africa';
```

Submit SQL

restore default

Correct answer

SUM(gdp)
1811788000000

Count the big countries

4. 😊

How many countries have an **area** of at least 1000000

```
SELECT COUNT(continent) FROM world WHERE area >=1000000;
```

Submit SQL

restore default

Correct answer

COUNT(continent)
29

Baltic states population

5. 😊

What is the total **population** of ('Estonia', 'Latvia', 'Lithuania')

```
SELECT SUM(population) FROM world WHERE name='Estonia' or  
name='Latvia' or name= 'Lithuania';
```

Submit SQL

restore default

Correct answer

SUM(population)
6251750

Using GROUP BY and HAVING

You may want to look at these examples: [Using GROUP BY and HAVING](#).

Counting the countries of each continent

6.



For each **continent** show the **continent** and number of countries.

```
SELECT continent , COUNT(name)
FROM world
GROUP BY continent;
```

Submit SQL

restore default

Correct answer

continent	COUNT(name)
Africa	53
Asia	47
Caribbean	11
Eurasia	2
Europe	44
North America	11
Oceania	14

Counting big countries in each continent

7.



For each **continent** show the **continent** and number of countries with populations of at least 10 million.

```
SELECT continent , COUNT(name)
FROM world
WHERE population >=10000000
GROUP BY continent;
```

Submit SQL

restore default

Correct answer

continent	COUNT(name)
Africa	29
Asia	26
Caribbean	2
Eurasia	1
Europe	14
North America	4
Oceania	1
South America	8

Counting big continents

8.



List the continents that **have** a total population of at least 100 million.

```
SELECT continent
FROM world
GROUP BY continent
HAVING SUM(population)>=100000000
```

Submit SQL

restore default

Correct answer

continent
Africa
Asia
Eurasia
Europe
North America
South America

Winners from 1950

1.



Change the query shown so that it displays Nobel prizes for 1950.

```
SELECT yr, subject, winner
FROM nobel
WHERE yr = 1950
```

Submit SQL

restore default

Correct answer

yr	subject	winner
1950	chemistry	Kurt Alder
1950	chemistry	Otto Diels
1950	literature	Bertrand Russell
1950	medicine	Edward Kendall
1950	medicine	Philip Hench
1950	medicine	Tadeus Reichstein
1950	peace	Ralph Bunche

1962 Literature

2.



Show who won the 1962 prize for literature.

```
SELECT winner
FROM nobel
WHERE yr = 1962
AND subject = 'literature'
```

Submit SQL

restore default

Correct answer

winner
John Steinbeck

Albert Einstein

3.



Show the year and subject that won 'Albert Einstein' his prize.

```
SELECT yr, subject
FROM nobel
where winner = 'Albert Einstein'
```

Submit SQL

restore default

Correct answer

yr	subject
1921	physics

Recent Peace Prizes

4. 😊

Give the name of the 'peace' winners since the year 2000, including 2000.

```
SELECT winner
FROM nobel
WHERE subject = 'peace' and yr >=2000;
```

Submit SQL

restore default

Correct answer

winner
Kim Dae-jung
Kofi Annan
United Nations
Jimmy Carter
Shirin Ebadi
Wangari Maathai
International Atomic Energy Agency

Literature in the 1980's

5. 😊

Show all details (**yr**, **subject**, **winner**) of the literature prize winners for 1980 to 1989 inclusive.

```
SELECT yr, subject, winner
FROM nobel
WHERE subject = 'literature' and yr BETWEEN 1980 and 1989;
```

Submit SQL

restore default

Correct answer

yr	subject	winner
1980	literature	Czesław Miłosz
1981	literature	Elias Canetti
1982	literature	Gabriel García Márquez
1983	literature	William Golding
1984	literature	Jaroslav Seifert
1985	literature	Claude Simon
1986	literature	Wole Soyinka

Only Presidents

6. 😊

Show all details of the presidential winners:

- Theodore Roosevelt
- Thomas Woodrow Wilson
- Jimmy Carter
- Barack Obama

```
SELECT * FROM nobel
WHERE winner IN ('Theodore Roosevelt',
                 'Thomas Woodrow Wilson',
                 'Barack Obama',
                 'Jimmy Carter');
```

Submit SQL

restore default

Correct answer

yr	subject	winner
1906	peace	Theodore Roosevelt
2002	peace	Jimmy Carter
2009	peace	Barack Obama

John

7. 😊

Show the winners with first name John

```
SELECT winner
FROM nobel
where winner like 'john%';
```

Submit SQL

restore default

Correct answer

winner
John Macleod
John Galsworthy
John Northrop
John Mott
John Cockcroft
John Enders
John Bardeen

Chemistry and Physics from different years

8. 😊

Show the year, subject, and name of physics winners for 1980 together with the chemistry winners for 1984.

```
SELECT yr , subject , winner
FROM nobel
WHERE ( subject ='physics' and yr =1980 ) or
(subject ='chemistry' and yr =1984)
```

Submit SQL

restore default

Correct answer

yr	subject	winner
1980	physics	James Cronin
1980	physics	Val Fitch
1984	chemistry	Bruce Merrifield

Exclude Chemists and Medics

9.



Show the year, subject, and name of winners for 1980
excluding chemistry and medicine

```
SELECT yr , subject , winner
FROM nobel
WHERE subject NOT IN ('chemistry' , 'medicine') and yr =1980
```

Submit SQL

restore default

Correct answer

yr	subject	winner
1980	literature	Czesław Miłosz
1980	peace	Adolfo Pérez Esquivel
1980	physics	James Cronin
1980	physics	Val Fitch

Early Medicine, Late Literature

10.



Show year, subject, and name of people who won a 'Medicine'
prize in an early year (before 1910, not including 1910)
together with winners of a 'Literature' prize in a later year
(after 2004, including 2004)

```
SELECT yr , subject , winner
FROM nobel
WHERE ( subject ='Medicine' and yr <1910 ) or
(subject ='Literature' and yr >= 2004)
```

Submit SQL

restore default

Correct answer

yr	subject	winner
1901	medicine	Emil von Behring
1902	medicine	Ronald Ross
1903	medicine	Niels Ryberg Finsen
1904	medicine	Ivan Pavlov
1905	medicine	Robert Koch
1906	medicine	Camillo Golgi
1906	medicine	Santiago Ramón y Cajal