

SELECT from Nobel Tutorial

Language:	English • 日本語 • 中文
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nobel1 Nobel Laureates

We continue practicing simple SQL queries on a single table.

This tutorial is concerned with a table of Nobel prize winners:

```
nobel(yr, subject, winner)
```

Using the SELECT statement.

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

result

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

result

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](#)

result

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](#)

result

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

result

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',  
    'Jimmy Carter',  
    'Barack Obama');
```

Submit SQL

restore default

result

John

7.

Show the winners with first name John

```
select winner from nobel where winner like 'JOHN %';
```

Submit SQL

restore default

result

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 * from nobel WHERE (subject = 'Physics' AND yr = 1980)
OR (subject = 'Chemistry' AND yr = 1984);
```

Submit SQL

restore default

result

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 yr = 1980
      AND subject NOT IN ('Chemistry', 'Medicine');
```

Submit SQL

restore default

result



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

result



Harder Questions

Umlaut

11.

Find all details of the prize won by PETER GRÜNBERG

Non-ASCII characters

```
select yr, subject, winner from nobel where winner ='PETER GRÜNBERG';
```

Submit SQL

restore default

result

Apostrophe

12.

Find all details of the prize won by EUGENE O'NEILL

Escaping single quotes

```
select yr, subject, winner from nobel where winner ="EUGENE O'NEILL";
```

Submit SQL

restore default

result

Knights of the realm

13.

Knights in order

List the winners, year and subject where the winner starts with Sir. Show the the most recent first, then by name order.

```
select winner, yr,subject from nobel where winner like 'sir%' order by yr desc , winner;
```

Submit SQL

restore default

result

Chemistry and Physics last

14.

The expression **subject IN ('chemistry','physics')** can be used as a value - it will be **0** or **1**.

Show the 1984 winners and subject ordered by subject and winner name; but list chemistry and physics last.

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```
SELECT winner, subject
FROM nobel
WHERE yr = 1984
ORDER BY
    subject IN ('Chemistry', 'Physics'),
    subject,
    winner;
```

Submit SQL

restore default

result



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