

SELECT from Nobel Tutorial

Language:	English • 日本語 • 中文
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nobel

subject	winner
Chemistry	Willard F. Libby
Literature	Saint-John Perse
Medicine	Sir Frank Macfarlane Burnet
Medicine	Peter Madawar

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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

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
1950	physics	William Brouncker

1962 Literature

2.

Show who won the 1962 prize for literature.

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

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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';
```

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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;
```

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Correct answer

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

Literature in the 1980's

5.

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

```
select * from nobel
where subject = 'literature' and yr between 1980 and 1989
```

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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
1987	literature	Joseph Brodsky

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')
```

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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 %';
```

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John Van Vleck

John Vane

John Polanyi

John Walker

John Pople

John Hume

John Fenn

John Sulston

John Hall

John Mather

John O'Keefe

John Goodenough

John Clauser

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 YEAR, subject, winner
FROM nobel
WHERE (year = 1980 AND subject = 'Physics')
      OR (year = 1984 AND subject = 'Chemistry');
```

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SQL error

Unknown column 'YEAR' in 'SELECT'

Exclude Chemists and Medics

9.

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

```
SELECT year, subject, winner
FROM nobel
WHERE year = 1980
AND subject NOT IN ('Chemistry', 'Medicine');
```

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SQL error

Unknown column 'year' in 'SELECT'

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 year, subject, winner
FROM nobel
WHERE (subject = 'Medicine' AND year < 1910)
      OR (subject = 'Literature' AND year >= 2004);
```

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SQL error

Unknown column 'year' in 'SELECT'

Nobel Quiz

Harder Questions

Umlaut

11.

Find all details of the prize won by PETER GRÜNBERG

Non-ASCII characters

The u in his name has an **umlaut**. You may find this link useful
<https://en.wikipedia.org/wiki/%C3%9C#Keyboarding>

```
SELECT *  
FROM nobel  
WHERE winner = 'Peter Grünberg';
```

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Correct answer

yr	subject	winner
2007	physics	Peter Grünberg

Apostrophe

12.

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

Escaping single quotes

You can't put a single quote in a quote string directly. You can use two single quotes within a quoted string.

```
SELECT *  
FROM nobel  
WHERE winner = 'Eugene O''Neill';
```

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Correct answer

yr	subject	winner
1936	literature	Eugene O'Neill

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, year, subject
FROM nobel
WHERE winner LIKE 'Sir%'
ORDER BY year DESC, winner;
```

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SQL error

Unknown column 'year' in 'SELECT'

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.

sqlzoo Nobel 14



```
SELECT winner, subject
FROM nobel
WHERE year = 1984
ORDER BY subject IN ('chemistry','physics'), subject, winner;
```

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restore default

SQL error

Unknown column 'year' in 'WHERE'

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