SELECT from Nobel Tutorial

<u>Language:</u> <u>English</u>・日本語・中文

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nobe

yr	subject	winner
1960	Chemistry	Willard F. Libby
1960	Literature	Saint-John Perse
1960	Medicine	Sir Frank Macfarlane Burnet
1960	Medicine	Peter Madawar

nobel 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





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 C. Kendall

198	50	Medicine	Philip S. Hench
19	50	Medicine	Tadeus Reichstein
198	50	Peace	Ralph Bunche
198	50	Physics	Cecil Powell

1962 Literature





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

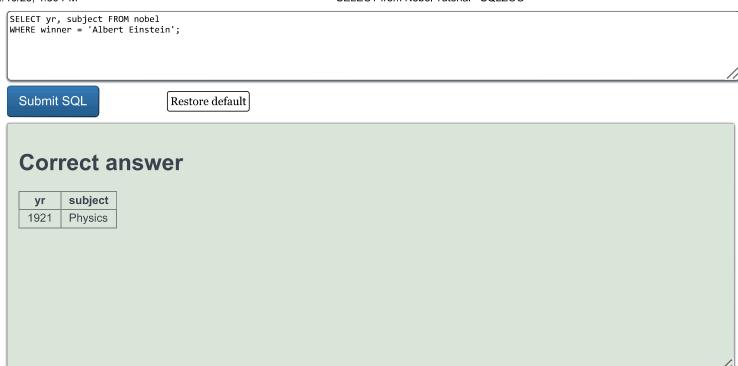
John Steinbeck

Albert Einstein

3.



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



Recent Peace Prizes





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 Intergovernmental Panel on Climate Change Martti Ahtisaari Barack Obama Liu Xiaobo Ellen Johnson Sirleaf Leymah Gbowee Tawakel Karman European Union Kailash Satyarthi Malala Yousafzai Tunisian National Dialogue Quartet Juan Manuel Santos International Campaign to Abolish Nuclear Weapons

Literature in the 1980's





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	Czeslaw Milosz
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
1988	Literature	Naguib Mahfouz

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', 'Woodrow Wilson', 'Jimmy Carter', 'Barack Obama');

Submit SQL

Restore default

Correct answer

yr	subject	winner
1906	Peace	Theodore Roosevelt
1919	Peace	Woodrow Wilson
2002	Peace	Jimmy Carter
2009	Peace	Barack Obama

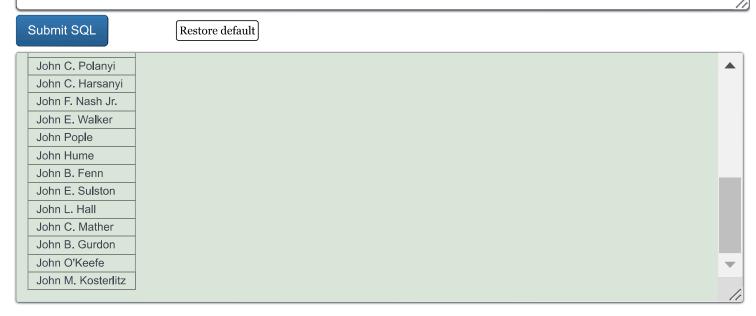
John

7.



Show the winners with first name John

SELECT winner FROM nobel
WHERE winner LIKE 'John%';



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 (yr = 1980 AND subject = 'Physics')
OR (yr = 1984 AND subject = 'Chemistry');

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





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

Correct answer

yr	subject	winner
1980	Economics	Lawrence R. Klein
1980	Literature	Czeslaw Milosz
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
1907	Medicine	Alphonse Laveran
1908	Medicine	Ilya Mechnikov

Nobel Quiz

Harder Questions

Umlaut

11.



Find all details of the prize won by PETER GRÜNBERG

Non-ASCII characters

```
SELECT * FROM nobel
WHERE winner LIKE 'Peter Gr%';
```

Submit SQL

Restore default

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



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

Correct answer

winner	yr	subject
Sir Martin J. Evans	2007	Medicine
Sir Peter Mansfield	2003	Medicine
Sir Paul Nurse	2001	Medicine
Sir Harold Kroto	1996	Chemistry
Sir James W. Black	1988	Medicine
Sir Arthur Lewis	1979	Economics
Sir Nevill F. Mott	1977	Physics
Sir Bernard Katz	1970	Medicine
Sir John Eccles	1963	Medicine

Chemistry and Physics last

14.



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

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

```
SELECT winner, subject FROM nobel
WHERE yr = 1984
ORDER BY
CASE
WHEN subject IN ('Chemistry', 'Physics') THEN 1
ELSE 0
END,
subject, winner;
```



Correct answer

winner subject
Richard Stone Economics

Jaioojav Johott	Litoraturo
César Milstein	Medicine
Georges J.F. Köhler	Medicine
Niels K. Jerne	Medicine
Desmond Tutu	Peace
Bruce Merrifield	Chemistry
Carlo Rubbia	Physics
Simon van der Meer	Physics

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This page was last edited on 17 July 2022, at 13:56.