SELECT from Nobel Tutorial

Language:

English・日本語・中文

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nobel

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

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

yr	subject	winner	
1950	Chemistry	Kurt Alder	
1950	Chemistry	Otto Diels	
1950	Literature	Bertrand Russell	
1950	Medicine	Philip S. Hench	
1950	Medicine	Edward C. Kendall	
1950	Medicine	Tadeus Reichstein	
1950	Peace	Ralph Bunche	
1950	Physics	Cecil Powell	

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

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

Tunisian National Dialogue Quartet

Kailash Satyarthi
Malala Yousafzai
European Union
Ellen Johnson Sirleaf
Leymah Gbowee
Tawakel Karman
Liu Xiaobo
Barack Obama

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

yr	subject	winner	
1989	Literature	Camilo José Cela	
1988	Literature	Naguib Mahfouz	
1987	Literature	Joseph Brodsky	
1986	Literature	Wole Soyinka	
1985	Literature	Claude Simon	
1984	Literature	Jaroslav Seifert	
1983	Literature	William Golding	
1982	Literature	Gabriel García Márquez	
1981	Literature	Elias Canetti	
1980	Literature	Czeslaw Milosz	

Only Presidents

6.

Show all details of the presidential winners:

- Theodore Roosevelt
- 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	
2009	Peace	Barack Obama	
2002	Peace	Jimmy Carter	
1919	Peace	Woodrow Wilson	
1906	Peace	Theodore Roosevelt	

John

7.

Show the winners with first name John

SELECT winner FROM nobel WHERE LEFT(winner, 4) = 'John';

Submit SQL

Restore default

Correct answer

winner

John O'Keefe

John B. Gurdon

John C. Mather

John L. Hall

John B. Fenn

John E. Sulston

John Pople

John Hume

John E. Walker

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

Submit SQL

Restore default

yr subject		winner	
1984	Chemistry	Bruce Merrifield	
1980	Physics	James Cronin	
1980	Physics	Val Fitch	

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

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

yr	subject	winner
2015	Literature	Svetlana Alexievich
2014	Literature	Patrick Modiano
2013	Literature	Alice Munro
2012	Literature	Mo Yan
2011	Literature	Tomas Tranströmer
2010	Literature	Mario Vargas Llosa
2009	Literature	Herta Müller
2008	Literature	Jean-Marie Gustave Le Clézio
2007	Literature	Doris Lessing

Nobel Quiz

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 IN ('PETER GRÜNBERG');

Submit SQL

Restore default

yr	subject	winner	
2007	Physics	Peter Grünberg	

Apostrophe

12.

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

Escaping single quotes

SELECT yr, subject, winner FROM nobel WHERE winner IN ("EUGENE O'NEILL");

Submit SQL

Restore default

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, yr, subject FROM nobel WHERE (LEFT(winner, 3) = 'Sir') ORDER BY yr DESC;

Submit SQL

Restore default

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.

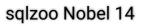
The expression **subject IN ('Chemistry', 'Physics')** can be used as a value - it will be **o** or **1**.

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 subject IN ('Chemistry', 'Physics'), subject, winner;

Submit SQL

Restore default





winner	subject	
Richard Stone	Economics	
Jaroslav Seifert	Literature	
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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