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

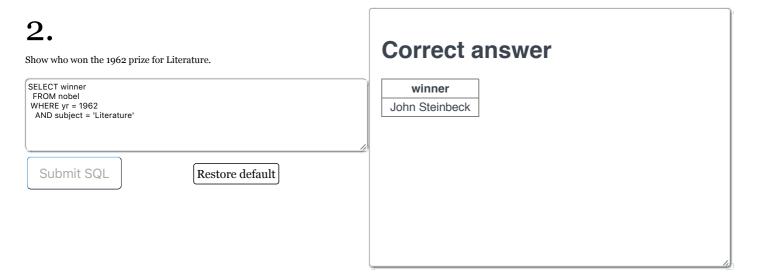
Submit SQL

Restore default

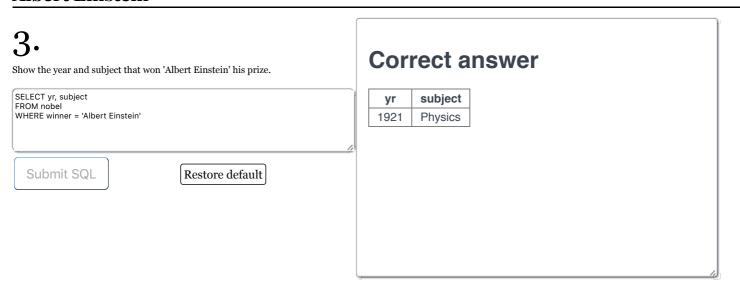
Correct answer

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

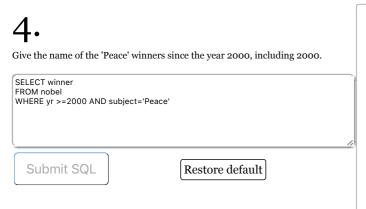
1962 Literature



Albert Einstein



Recent Peace Prizes



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 yr>=1980 AND yr<=1989 AND subject = 'Literature'

Submit SQL

Restore default

Correct answer

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	

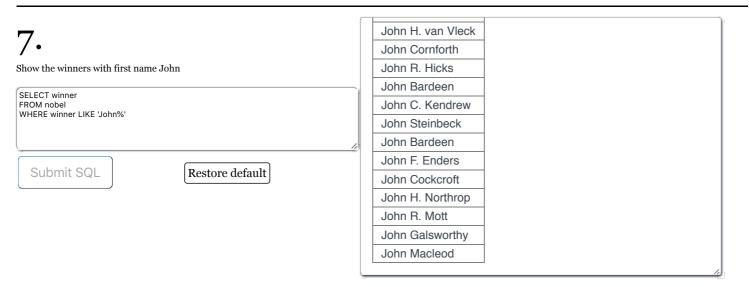
Only Presidents



Correct answer

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

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 *
FROM nobel
WHERE (subject = 'Physics' AND yr = 1980) OR (subject = 'Chemistry' AND yr = 1984)

Correct answer

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

Submit SQL

Restore default

Exclude Chemists and Medics

9.

Show the year, subject, and name of winners for 1980 excluding Chemistry and Medicine

SELECT *
FROM nobel
WHERE yr = 1980 AND subject NOT IN ('Chemistry', 'Medicine')

Submit SQL

Restore default

Correct answer

yr	subject	winner	
1980	Economics	s 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 *
FROM nobel
WHERE (yr < 1910 AND subject = 'Medicine') OR (yr >= 2004 AND subject = 'Literature')

Submit SQL

Restore default

Literature	Harold Pinter
Literature	Elfriede Jelinek
Medicine	Theodor Kocher
Medicine	Paul Ehrlich
Medicine	Ilya Mechnikov
Medicine	Alphonse Laveran
Medicine	Camillo Golgi
Medicine	Santiago Ramón y Cajal
Medicine	Robert Koch
Medicine	Ivan Pavlov
Medicine	Niels Ryberg Finsen
Medicine	Ronald Ross
Medicine	Emil von Behring
	Literature Medicine

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'

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

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'

Submit SQL

Restore default

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, 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 $subject\ IN\ ('Chemistry','Physics')\ can be used as a value - it will be <math display="inline">o\ o\ r\ 1.$

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

Submit SQL

Restore default

sqlzoo Nobel 14



Correct answer

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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