# **SELECT from Nobel Tutorial**

#### From SQLZOO

Language: English • 中文

#### **Contents**

- 1 nobel Nobel Laureates
- **2** Winners from 1950
- **•** 3 1962 Literature
- 4 Albert Einstein
- 5 Recent Peace Prizes
- 6 Literature in the 1980's
- 7 Only Presidents
- 8 John
- 9 Chemistry and Physics from different years
- 10 Exclude Chemists and Medics
- 11 Early Medicine, Late Literature
- 12 Harder Questions
- 13 Umlaut
- 14 Apostrophe
- 15 Knights of the realm
- 16 Chemistry and Physics last

#### 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.

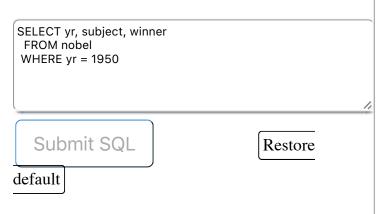
This tutorial is concerned with a table of Nobel prize winners:

nobel(yr, subject, winner)

Using the SELECT statement.

#### Winners from 1950

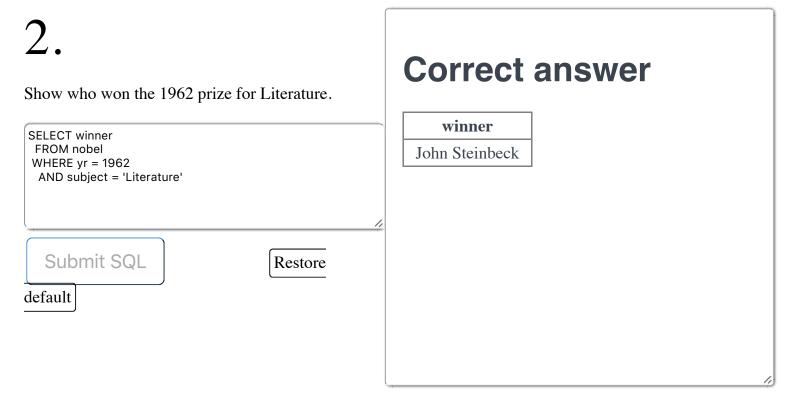
Change the query shown so that it displays Nobel prizes for 1950.



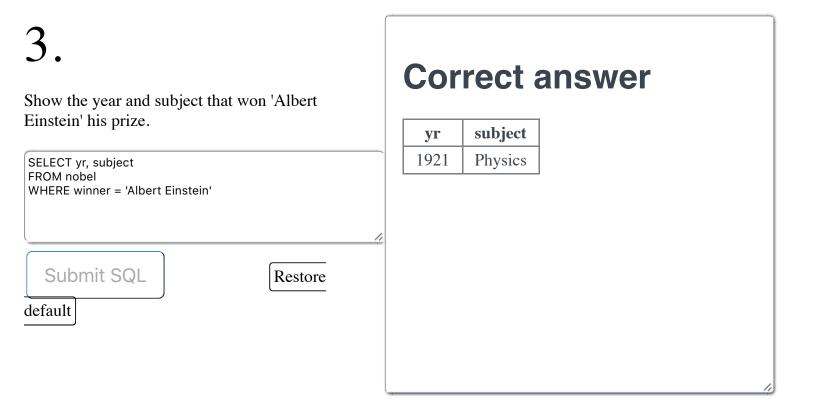
# **Correct answer**

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

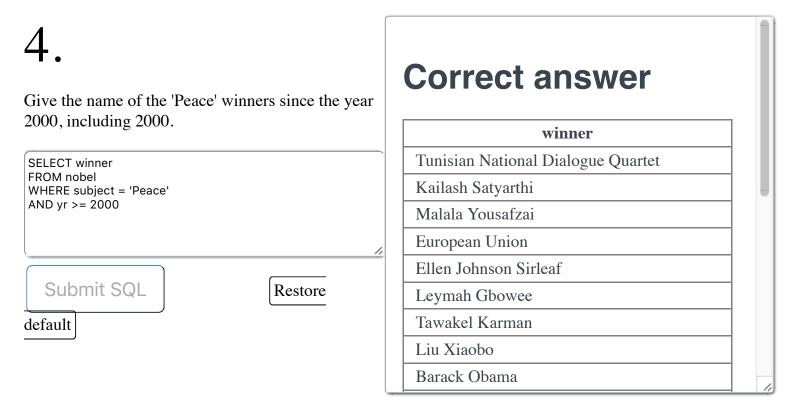
#### 1962 Literature



#### **Albert Einstein**



#### **Recent Peace Prizes**



#### 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 >= 1980
AND yr <= 1989

Restore

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

CULLECT BURNEL

## **Only Presidents**

Submit SQL

default

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')

# **Correct answer**

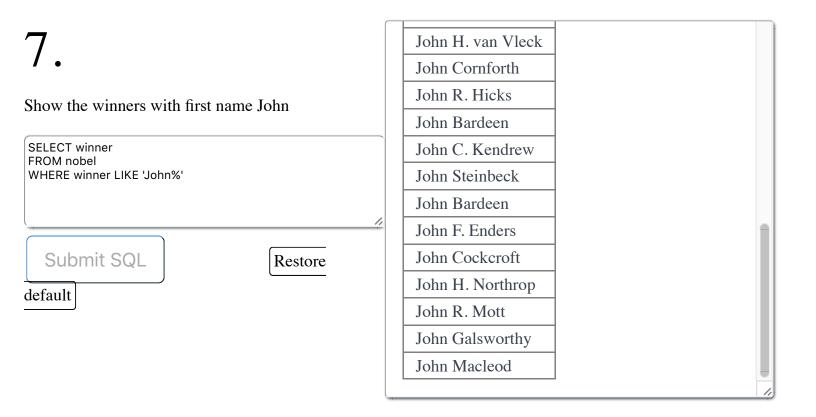
yr	subject	winner
2009	Peace	Barack Obama
2002	Peace	Jimmy Carter
1919	Peace	Woodrow Wilson
1906	Peace	Theodore Roosevelt

Submit SQL

Restore

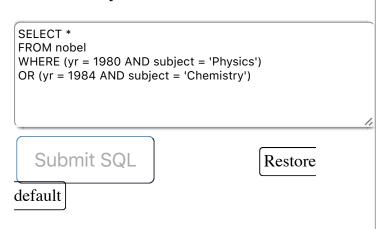
default

# John



## Chemistry and Physics from different years

Show the Physics winners for 1980 together with the Chemistry winners for 1984.

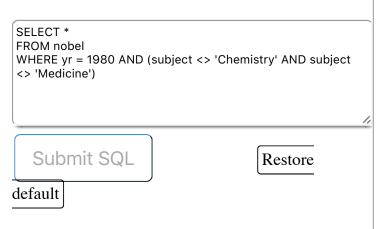


# **Correct answer**

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

#### **Exclude Chemists and Medics**

# Show the winners for 1980 excluding the Chemistry and Medicine

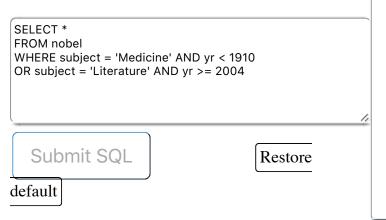


# **Correct answer**

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**

Show 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)



# **Correct answer**

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
2005	¥ •	ъ . т .

Nobel Quiz

#### **Harder Questions**

#### **Umlaut**

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



# **Correct answer**

yr	subject	winner
2007	Physics	Peter Grünberg

## **Apostrophe**

default

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

#### Escaping single quotes

SELECT \*
FROM nobel
WHERE winner = 'Eugene O\'Neill'

Submit SQL

Restore

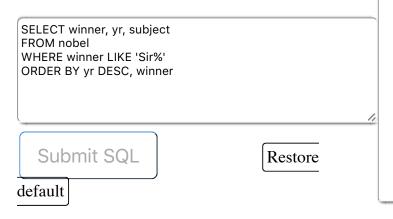
# **Correct answer**

yr	subject	winner
1936	Literature	Eugene O'Neill

# **Knights of the realm**

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.



# **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**

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.

select winner, subject from nobel where yr=1984 order by subject in ('Physics','Chemistry'),subject,winner

Submit SQL Restore

## **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



 $Retrieved\ from\ "http://sqlzoo.net/w/index.php?title=SELECT\_from\_Nobel\_Tutorial\&oldid=38854"$ 

■ This page was last modified on 28 February 2017, at 14:22.