## **SELECT from Nobel Tutorial**

From SQLZOO

Language: English · 中文

#### 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)

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

#### **Exercises**

Using the SELECT statement.

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	

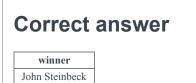
2.

Show who won the 1962 prize for Literature.

SELECT winner
FROM nobel
WHERE yr = 1962
AND subject = 'Literature'

Submit SQL

Restore default



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

SELECT yr, subject
FROM nobel
WHERE winner = 'Albert Einstein'

Submit SQL

Restore default

## **Correct answer**



4.

Give the name of the 'Peace' winners since the year 2000, including 2000.

SELECT winner
FROM nobel
WHERE yr >= 2000
AND subject = 'Peace'

Restore default

# **Correct answer**

winner
Martti Ahtisaari
Intergovernmental Panel on Climate Change
Al Gore
Grameen Bank
Muhammad Yunus
International Atomic Energy Agency
Mohamed ElBaradei
Wangari Maathai
Shirin Ebadi

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	

Show all details of the presidential winners:

- Theodore Roosevelt
- Woodrow Wilson
- Jimmy Carter

Submit SQL

Restore default

### **Correct answer**

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

7.

Show the winners with first name John

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

Submit SQL

Restore default

## **Correct answer**

winner
John C. Mather
John L. Hall
John B. Fenn
John E. Sulston
John Pople
John Hume
John E. Walker
John C. Harsanyi
John F. Nash Jr.

Show the 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
```

Submit SQL

Restore default

### **Correct answer**

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

9.

Show the winners for 1980 excluding the 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	Lawrence R. Klein		
1980	Literature	Czeslaw Milosz		
1980	Peace	Adolfo Pérez Esquivel		
1980	Physics	James Cronin		
1980	Physics	Val Fitch		

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)

SELECT \* FROM nobel
WHERE yr<1910 AND subject='Medicine'
OR yr>=2004 AND subject='Literature'

Submit SQL

Restore default

#### **Correct answer**

yr	subject	winner	
2008	Literature	Jean-Marie Gustave Le Clézio	
2007	Literature	Doris Lessing	
2006	Literature	Orhan Pamuk	
2005	Literature	Harold Pinter	
2004	Literature	Elfriede Jelinek	
1909	Medicine	Theodor Kocher	
1908	Medicine	Paul Ehrlich	
1908	Medicine	Ilya Mechnikov	
1907	Medicine	Alphonse Laveran	

Nobel Quiz

#### **Harder Questions**

11.

Find all details of the prize won by PETER GRÜNBERG

Non-ASCII characters

 $The \ u \ in \ his \ name \ has \ an \ \textbf{umlaut}. \ You \ may \ find \ this \ link \ useful \ https://en.wikipedia.org/wiki/%C3%9C\#Keyboarding$ 

Submit SQL

Restore default

12.	
12.	
Find all details of the prize won by EUGENE O'NEILL	
Escaping single quotes	
	,
Submit SOI Deterribe	
Submit SQL Restore default	
Submit SQL Restore default result	

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.

Submit SQL	Resto	re default		
result				

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, subject IN ('Physics','Chemistry')
FROM nobel
WHERE yr=1984
ORDER BY subject,winner

Restore default

result
```

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