

sqlzoo.net/wiki/SELECT_from_Nobel_Tutorial

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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)
```

Exercises

Using the **SELECT** statement.

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

1. 

```
SELECT yr, subject, winner
FROM nobel
WHERE yr = 1950
```

Submit SQL

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

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1950 yr = 1950


Submit SQL

Correct answer

yr	subject	winner
1950	Medicine	Edward C. Kendall
1950	Medicine	Tadeus Reichstein
1950	Peace	Ralph Bunche
1950	Physics	Cecil Powell

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Show who won the 1962 prize for Literature.

2. 

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

Submit SQL

Correct answer

winner
John Steinbeck

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

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

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Correct answer

yr	subject
1921	Physics

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

result

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

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

Submit SQL 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

5. Show all details (yr, subject, winner) of the Literature prize winners for 1980 to 1989 inclusive.

result

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```

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

```

Submit SQL

Restore default

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

nobel		
yr	subject	winner
1900	Chemistry	Willard F. Libby
1900	Literature	Saint-John Perse
1900	Medicine	Sir Frank Macfarlane Burnet
1900	Medicine	Peter Medawar

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

```

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

Correct answer

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nobel		
yr	subject	winner
1900	Chemistry	Willard F. Libby
1900	Literature	Saint-John Perse
1900	Medicine	Sir Frank Macfarlane Burnet
1900	Medicine	Peter Medawar

6. Show all details of the presidential winners: ('Theodore Roosevelt', 'Woodrow Wilson', 'Jed Bartlet', 'Jimmy Carter')

```

SELECT *
FROM nobel
WHERE winner = 'Jimmy Carter'
OR winner = 'Woodrow Wilson'
OR winner = 'Jed Bartlet'
OR winner = 'Theodore Roosevelt'
AND subject IN ('Peace')

```

Submit SQL

Restore default

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

Correct answer

7. Show the winners with first name John

```


```

Submit SQL

Restore default

result		
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7. Show the winners with first name John

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

Submit SQL

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

8. In which years was the Physics prize awarded but no Chemistry prize. (WARNING - this question is way too hard for this level, you will need to use sub queries or joins).

result

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8. In which years was the Physics prize awarded but no Chemistry prize. (WARNING - this question is way too hard for this level, you will need to use sub queries or joins).

```
select distinct yr
FROM nobel
WHERE
  yr not in (select yr from nobel where
  subject in ('Chemistry')) AND
  subject in ('Physics')
```

Submit SQL

Correct answer

yr
1933
1924
1919
1917

Clear your results

Nobel Quiz

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