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Week 8 Lab - SS15-TC-362-... x SELECT from Nobel Tutorial - S... x +

sqlzoo.net/wiki/SELECT_from_Nobel_Tutorial

sql reverse group by

Tutorials Assessments Reference

INSERT ... VALUES
INSERT ... SELECT
UPDATE
DELETE
CREATE TABLE
CREATE VIEW
CREATE INDEX
DROP
ALTER
UNION
LEFT JOIN
NULL

nobel(yr, subject, winner)

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

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

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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

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

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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';
```

Submit SQL Restore default

Correct answer

yr	subject
1921	Physics

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

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

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

Show all details (yr, subject, winner) of the Literature

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

```
SELECT * FROM nobel
WHERE subject = 'Literature'
AND yr >= 1980 AND yr <= 1989
```

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

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

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

```
SELECT * FROM nobel
WHERE winner IN ('Theodore Roosevelt',
'Woodrow Wilson', 'Jed Bartlet', 'Jimmy
Carter')
```

Submit SQL

Restore default

Correct answer

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

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

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Show the winners with first name John

7.

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

Submit SQL Restore default

Correct answer

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

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

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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).

8.

```
SELECT yr FROM nobel
WHERE subject = 'Physics'
AND yr NOT IN
(SELECT yr FROM nobel
WHERE subject = 'Chemistry')
GROUP BY yr DESC
```

Submit SQL Restore default

Correct answer

yr
1933
1924
1919
1917

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

Clear your results

Nobel Quiz

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