

SELECT from Nobel Tutorial

Language:

English • 日本語 • 中文

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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 | Edward Kendall |
| 1950 | medicine | Philip Hench |
| 1950 | medicine | Tadeus Reichstein |
| 1950 | peace | Ralph Bunche |
| 1950 | | |

1962 Literature

2.



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 |

Albert Einstein

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 |

Recent Peace Prizes

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 SQLrestore default

Correct answer

| winner |
|------------------------------------|
| Kim Dae-jung |
| Kofi Annan |
| United Nations |
| Jimmy Carter |
| Shirin Ebadi |
| Wangari Maathai |
| International Atomic Energy Agency |

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 subject = 'literature'  
and yr between 1980 and 1989
```

Submit SQLrestore default

Correct answer

| yr | subject | winner |
|------|------------|------------------------|
| 1980 | literature | Czesław Miłosz |
| 1981 | literature | Elias Canetti |
| 1982 | literature | Gabriel García Márquez |
| 1983 | literature | William Golding |
| 1984 | literature | Jaroslav Seifert |
| 1985 | literature | Claude Simon |
| 1986 | literature | Wole Soyinka |
| 1987 | literature | Paul Claudel |

Only Presidents

6.



Show all details of the presidential winners:

- Theodore Roosevelt
- Thomas Woodrow Wilson
- Jimmy Carter
- Barack Obama

```
SELECT * FROM nobel
WHERE winner IN ('Theodore Roosevelt',
'Thomas Woodrow Wilson',
'Jimmy Carter',
'Barack Obama')
```

Submit SQLrestore default

Correct answer

| yr | subject | winner |
|------|---------|--------------------|
| 1906 | peace | Theodore Roosevelt |
| 2002 | peace | Jimmy Carter |
| 2009 | peace | Barack Obama |

John

7.



Show the winners with first name John

```
select winner from nobel where winner like 'John%';
```

Submit SQL

restore default

Correct answer

| winner |
|-----------------|
| John Macleod |
| John Galsworthy |
| John Northrop |

| |
|----------------|
| John Mott |
| John Cockcroft |
| John Enders |
| John Bardeen |

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 yr, subject, winner from nobel where  
(subject = 'physics' and yr = 1980) or  
(subject = 'chemistry' and yr = 1984)
```

Submit SQLrestore default

Correct answer

| yr | subject | winner |
|------|-----------|------------------|
| 1980 | physics | James Cronin |
| 1980 | physics | Val Fitch |
| 1984 | chemistry | Bruce Merrifield |

Exclude Chemists and Medics

9.



Show the year, subject, and name of winners for 1980 excluding chemistry and medicine

```
select yr, subject, winner from nobel where  
(subject != 'chemistry' and yr = 1980) and  
(subject != 'medicine' and yr = 1980)
```

Submit SQLrestore default

Correct answer

| yr | subject | winner |
|------|------------|-----------------------|
| 1980 | literature | Czesław Miłosz |
| 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 yr, subject, winner from nobel where (subject = 'medicine'  
and yr <1910) or (subject = 'literature' and yr >=2004)
```

Submit SQLrestore default

Correct answer

| yr | subject | winner |
|------|----------|------------------------|
| 1901 | medicine | Emil von Behring |
| 1902 | medicine | Ronald Ross |
| 1903 | medicine | Niels Ryberg Finsen |
| 1904 | medicine | Ivan Pavlov |
| 1905 | medicine | Robert Koch |
| 1906 | medicine | Camillo Golgi |
| 1906 | medicine | Santiago Ramón y Cajal |
| 1907 | ... | ... |

Harder Questions

Umlaut

11.



Find all details of the prize won by PETER GRÜNBERG

Non-ASCII characters

```
select * from nobel where winner = 'PETER GRÜNBERG'
```

Submit SQLrestore 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

```
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 most recent first, then by name order.**

```
select winner, yr, subject from nobel where winner like 'Sir%'  
order by yr desc, winner ;
```

Submit SQLrestore default

Correct answer

| winner | yr | subject |
|---------------------|------|-----------|
| Sir Peter Ratcliffe | 2019 | medicine |
| Sir Gregory Winter | 2018 | chemistry |
| Sir Fraser Stoddart | 2016 | chemistry |
| Sir John Gurdon | 2012 | medicine |
| Sir Martin Evans | 2007 | medicine |
| Sir Peter Mansfield | 2003 | medicine |
| Sir Paul Nurse | 2001 | medicine |

Chemistry and Physics last

14.



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.

sqlzoo Nobel 14



```
SELECT winner, subject
  FROM nobel
 WHERE yr=1984
ORDER BY case when subject in ('physics', 'chemistry') then 1 else
0 end,subject,winner
;
```

Submit SQLrestore default

Correct answer

| winner | subject |
|-------------------|------------|
| Jaroslav Seifert | literature |
| César Milstein | medicine |
| Georges F. Köhler | medicine |
| Niels Jerne | medicine |
| Desmond Tutu | peace |
| Bruce Merrifield | chemistry |
| Carlo Rubbia | physics |

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