# SELECT from Nobel Tutorial

| Language: | **English** • 日本語 • 中文 |
|---|---|

### nobel

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

## Contents

## 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 * 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 |

# 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 yr>=2000 AND subject='Peace';
                                    1
```

Submit SQL          Restore default

## Correct answer

| winner |
| --- |
| Tunisian National Dialogue Quartet |
| Kailash Satyarthi |
| Malala Yousafzai |
| European Union |
| Ellen Johnson Sirleaf |
| Leymah Gbowee |
| Tawakel Karman |
| Liu Xiaobo |
| Barack Obama |

# Literature in the 1980's

# 5.

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

```
SELECT * FROM nobel
WHERE (yr BETWEEN 1980 AND 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 |

# Only Presidents

# 6.

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');
```

Submit SQL              Restore default
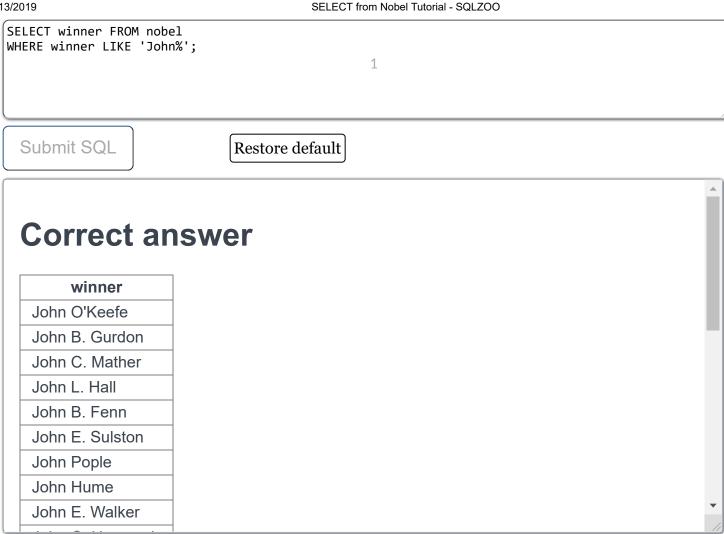
# Correct answer

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

# John

# 7.

Show the winners with first name John

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

1

Submit SQL　　　　　Restore default

## Correct answer

| winner |
| --- |
| John O'Keefe |
| John B. Gurdon |
| John C. Mather |
| John L. Hall |
| John B. Fenn |
| John E. Sulston |
| John Pople |
| John Hume |
| John E. Walker |

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# 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 * FROM nobel
WHERE (yr=1980 AND subject='Physics') OR (yr=1984 AND subject='Chemistry');
```

Submit SQL　　　　　Restore default

## Correct answer                              1

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

# Exclude Chemists and Medics

# 9.                                           1

**Show the year, subject, and name of winners for 1980 excluding 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 |

# 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 * FROM nobel
WHERE (subject='Medicine' AND yr<1910) OR (subject='Literature' AND yr>=2004);
```

Submit SQL          Restore default

## 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 |

| 2007 | Literature | Doris Lessing |
|------|------------|---------------|

Nobel Quiz

# Harder Questions

# Umlaut

# 11.

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

```
SELECT * FROM nobel
WHERE winner='Peter Grünberg';
```

Submit SQL                    Restore 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*
You can't put a single quote in a quote string directly. You can use two single quotes within a quoted string.

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

```
SELECT winner, yr, subject FROM nobel
WHERE winner LIKE 'Sir%'
ORDER BY yr DESC
```

Submit SQL     Restore default

## 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

# 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.**

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

Submit SQL          Restore default

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▶

# 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 |

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**This page was last edited on 17 April 2018, at 19:08.**