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SELECT from Nobel Tutorial

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nobel

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

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

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

```
SELECT yr, subject, winner
  FROM nobel
 WHERE yr = 1960
```

1962 Literature

Show who won the 1962 prize for literature.

```sql
SELECT winner
  FROM nobel
 WHERE yr = 1960
   AND subject = 'physics'
```

Albert Einstein

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

Recent Peace Prizes

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

Literature in the 1980's

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

Only Presidents

Show all details of the presidential winners:

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

```sql
SELECT * FROM nobel
 WHERE yr = 1970
   AND subject IN ('Cookery',
                   'Chemistry',
                   'Literature')
```

John

Show the winners with first name John

Chemistry and Physics from different years

Show the year, subject, and name of physics winners for 1980 together with the chemistry winners for 1984.

Exclude Chemists and Medics

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

medicine

Early Medicine, Late Literature

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)

Nobel Quiz

Harder Questions

Umlaut

Find all details of the prize won by PETER GRÜNBERG

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

Apostrophe

Find all details of the prize won by EUGENE O'NEILL

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

Knights of the realm

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.

Chemistry and Physics last

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
```

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