

SELECT from NOBEL

1.

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

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

2.

Show who won the 1962 prize for literature.

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

3.

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

```
select yr, subject from nobel
where winner = 'Albert Einstein';
```

4.

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

```
select winner from nobel
where subject = 'peace' and yr >=2000;
```

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 >=1980 and
yr <=1989 and
subject = 'literature';
```

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');
```

7.

Show the winners with first name John

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

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 = 'chemistry' and yr= 1984 or
subject = 'physics' and yr=1980;
```

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 subject <> 'medicine' and yr=1980;
```

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;
```

11.

Find all details of the prize won by PETER GRÜNBERG

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

12.

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

Escaping single quotes

```
SELECT *  
FROM nobel  
WHERE winner = 'Eugene O''Neill';
```

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, winner;
```

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 ('Physics','chemistry'), subject, winner;
```

QUIZ:

1. Pick the code which shows the name of winner's names beginning with C and ending in n

```
SELECT winner FROM nobel
WHERE winner LIKE 'C%'AND winner ;LIKE '%n'
```

2. Select the code that shows how many Chemistry awards were given between 1950 and 1960

```
SELECTCOUNT(subject) FROM nobel
WHERE subject = 'Chemistry'
AND yr BETWEEN 1950and 1960;
```

3. Pick the code that shows the amount of years where no Medicine awards were given

```
SELECT COUNT(DISTINCT yr) FROM nobel
WHERE yr NOT IN (SELECT DISTINCT yr FROM nobel
WHERE subject = 'Medicine');
```

4. Select the result that would be obtained from the following code:

```
SELECT subject, winner FROM nobel WHERE winner LIKE 'Sir%' AND yr LIKE '196%'
```

Medicine	Sir John Eccles
Medicine	Sir Frank Macfarlane Burnet

5. Select the code which would show the year when neither a Physics or Chemistry award was given

```
SELECT yr FROM nobel
WHERE yr NOT IN(SELECT yr
FROM nobel
WHERE subject IN ('Chemistry','Physics'))
;
```

6. Select the code which shows the years when a Medicine award was given but no Peace or Literature award was

```
SELECT DISTINCT yr
FROM nobel
WHERE subject='Medicine'
AND yr NOT IN(SELECT yr FROM nobel
WHERE subject='Literature')
AND yr NOT IN (SELECT yr FROM nobel
WHERE subject='Peace');
```

7. Pick the result that would be obtained from the following code:

```
SELECT subject, COUNT(subject)
FROM nobel
```

```
WHERE yr = '1960'  
GROUP BY subject
```

Chemistry	1
Literature	1
Medicine	2
Peace	1
Physics	1