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

```
SELECT subject, COUNT(subject)
  FROM nobel
 WHERE yr ='1960'
 GROUP BY subject
```

| 1 |
| 1 |
| 2 |
| 1 |
| 1 |

| Chemistry | 6 |

Chemistry	3
Literature	1
Medicine	2
Peace	0
Physics	2

✓

| Chemistry | 1 |
| Literature | 1 |

---

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

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

✓
```
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')
```

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

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

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

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

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

---

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

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

Medicine	John Eccles
Medicine	Frank Macfarlane Burnet

Chemistry	Sir Cyril Hinshelwood

Medicine	Sir John Eccles
Medicine	Sir Frank Macfarlane Burnet

Medicine	John Eccles
Medicine	Frank Macfarlane Burnet
Chemistry	Willard F.Libby

Sir John Eccles
Sir Frank Macfarlane Burnet

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

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

```
SELECT COUNT(DISTINCT yr) FROM nobel
  WHERE yr IN (SELECT DISTINCT yr FROM nobel WHERE subject <> 'Medicine')
```

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

```
SELECT DISTINCT yr FROM nobel
  WHERE yr NOT IN (SELECT DISTINCT yr FROM nobel WHERE subject LIKE 'Medicine')
```

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

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

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

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

```
SELECT COUNT(subject) FROM nobel
  WHERE subject = 'Chemistry'
    AND BETWEEN 1950 and 1960
```

```
SELECT COUNT(subject) FROM nobel
  WHERE subject = 'Chemistry'
    AND yr BETWEEN (1950, 1960)
```

✓
```
SELECT COUNT(subject) FROM nobel
  WHERE subject = 'Chemistry'
    AND yr BETWEEN 1950 and 1960
```

```
SELECT subject FROM nobel
  WHERE subject = 'Chemistry'
    AND yr BETWEEN 1950 and 1960
```

```
SELECT subject FROM nobel
```

quiz

SELECT in SELECT

quiz

SUM and COUNT

quiz

JOIN

quiz

More JOIN

quiz

Using NULL

quiz

Self JOIN

quiz

Reference

NoSQL zoo

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

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

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

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

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

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

| Physics | 2 |

✓
Chemistry	1
Literature	1
Medicine	2
Peace	1
Physics	1

Chemistry	1
Literature	1
Peace	1
Physics	1

[Score the test]

Your score is: 7 out of 7