# SELECT Quiz

Some questions concerning basic SQL statements

| name | region | area | population | gdp |
|------|--------|------|------------|-----|
| Afghanistan | South Asia | 652225 | 26000000 | |
| Albania | Europe | 28728 | 3200000 | 6656000000 |
| Algeria | Middle East | 2400000 | 32900000 | 75012000000 |
| Andorra | Europe | 468 | 64000 | |
| ... | | | | |

1. Select the code which produces this table

| name | population |
|------|------------|
| Bahrain | 1234571 |
| Swaziland | 1220000 |
| Timor-Leste | 1066409 |

```
  FROM world
  SELECT name, population BETWEEN 1000000 AND 1250000
```

```
  FROM name, population
  WHERE population BETWEEN 1000000 AND 1250000
  SELECT world
```

```
  SELECT name, population
    FROM world
   WHERE population BETWEEN 1000000 AND 1250000
```

```
  SELECT population BETWEEN 1000000 AND 1250000
  FROM world
```

```
  WHERE population BETWEEN 1000000 AND 1250000
  SELECT name, population FROM world
```

2. Pick the result you would obtain from this code:

```
  SELECT name, population
  FROM world
  WHERE name LIKE "Al%"
```

Table-A

| Albania |
|---------|
| Algeria |

Table-B

| %bania | 3200000 |
|--------|---------|
| %geria | 32900000 |

Table-C

| Al | 0 |
|----|---|

Table-D

| Albania | 3200000 |
|---------|---------|

Table-E

| Albania | 3200000 |
|---------|---------|
| Algeria | 32900000 |

3. Select the code which shows the countries that end in A or L

```
  SELECT name FROM world
   WHERE name LIKE 'a%' AND name LIKE 'l%'
```

```
  SELECT name FROM world
   WHERE name LIKE 'a%' OR name LIKE 'l%'
```

```
  SELECT name FROM world
   WHERE name LIKE '%a' AND name LIKE '%l'
```

```
  SELECT name FROM world
   WHERE name LIKE '%a' OR '1%'
```

```
SELECT name FROM world
  WHERE name LIKE '%a' OR name LIKE '%l'
```

4. Pick the result from the query

```
SELECT name,length(name)
FROM world
WHERE length(name)=5 and region='Europe'
```

| name | length(name) |
|------|--------------|
| Benin | 5 |
| Lybia | 5 |
| Egypt | 5 |

| name | length(name) |
|------|--------------|
| Italy | 5 |
| Egypt | 5 |
| Spain | 5 |

| name | length(name) |
|------|--------------|
| Italy | 5 |
| Malta | 5 |
| Spain | 5 |

| name | length(name) |
|------|--------------|
| Italy | 5 |
| France | 6 |
| Spain | 5 |

| name | length(name) |
|------|--------------|
| Sweden | 6 |
| Norway | 6 |
| Poland | 6 |

5. Here are the first few rows of the world table:

| name | region | area | population | gdp |
|------|--------|------|------------|-----|
| Afghanistan | South Asia | 652225 | 26000000 | |
| Albania | Europe | 28728 | 3200000 | 6656000000 |
| Algeria | Middle East | 2400000 | 32900000 | 75012000000 |
| Andorra | Europe | 468 | 64000 | |
| ... | | | | |

Pick the result you would obtain from this code:

```
SELECT name, area*2 FROM world WHERE population = 64000
```

| Andorra | 234 |
|---------|-----|

| Andorra | 468 |
|---------|-----|

| Andorra | 936 |
|---------|-----|

| Andorra | 4680 |
|---------|------|

| Andorra | 936 |
|---------|-----|
| Albania | 57456 |

6. Select the code that would show the countries with an area larger than 50000 and a population smaller than 10000000

```
SELECT name, area, population
  FROM world
 WHERE area < 50000 AND population < 10000000
```

```
SELECT name, area, population
  FROM world
 WHERE area < 50000 AND population > 10000000
```

```
SELECT name, area, population
  FROM world
 WHERE area > 50000 AND population < 10000000
```

```
SELECT name, area, population
  FROM world
 WHERE area > 50000 AND population > 10000000
```

```
SELECT name, area, population
  FROM world
 WHERE area = 50000 AND population = 10000000
```

7. Select the code that shows the population density of China, Australia, Nigeria and France

```
SELECT name, area/population
FROM world WHERE name IN ('China', 'Nigeria', 'France', 'Australia')
```

```
SELECT name, area/population
FROM world WHERE name LIKE ('China', 'Nigeria', 'France', 'Australia')
```

```
SELECT name, population/area
  FROM world
 WHERE name IN ('China', 'Nigeria', 'France', 'Australia')
```

```
SELECT name, population/area
  FROM world
 WHERE name LIKE ('China', 'Nigeria', 'France', 'Australia')
```

```
SELECT name, population
  FROM world
 WHERE name IN ('China', 'Nigeria', 'France', 'Australia')
```

**Score the test**

Your score is: 7 out of 7