SQLZoo

Unofficial answers to sqlzoo exercises found here: https://sqlzoo.net/wiki/SUM_and_COUNT

world

name	continent	area	population	gdp
Afghanistan	Asia	652230	25500100	20343000000
Albania	Europe	28748	2831741	12960000000
Algeria	Africa	2381741	37100000	188681000000
Andorra	Europe	468	78115	3712000000
Angola	Africa	1246700	20609294	100990000000
...				

SUM and COUNT

1. Show the total population of the world.

```
SELECT sum(population) AS total_pop FROM world;
```

2. List all the continents - just once each.

```
SELECT DISTINCT(continent) FROM world;
```

3. Give the total GDP of Africa.

```
SELECT sum(gdp) AS Africa_gdp FROM world
WHERE continent = 'Africa';
```

4. How many countries have an area of at least 1000000.

```
SELECT COUNT(name) AS count_big FROM world
WHERE area >= 1000000;
```

5. What is the total population of ('Estonia', 'Latvia', 'Lithuania').

```
SELECT sum(population) AS total_pop FROM world
WHERE name IN('Estonia', 'Latvia', 'Lithuania');
```

6. For each continent show the continent and number of countries.

```
SELECT continent, COUNT(name) AS country_count FROM world
GROUP BY continent;
```

7. For each continent show the continent and number of countries with populations of at least 10 million.

```
SELECT continent, COUNT(DISTINCT name) FROM world
WHERE population > 10000000
GROUP BY continent;
```

8. List the continents that have a total population of at least 100 million.

```
SELECT continent FROM world
GROUP BY continent HAVING SUM(population) >= 100000000;
```