

Databases - Lab Sheet 4

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```
SELECT Continent,  
        COUNT(*)  
FROM    Country  
GROUP  BY Continent;
```

```
+-----+-----+  
| continent | count(*) |  
+-----+-----+  
| Asia      |         51 |  
| Europe    |         46 |  
| North America |         37 |  
...  
...  
...
```

```
SELECT Continent,  
       COUNT(*)  
FROM   Country  
GROUP BY Continent  
HAVING COUNT(*) > 45;
```

```
+-----+-----+  
| continent | count(*) |  
+-----+-----+  
| Asia      |        51 |  
| Europe    |        46 |  
| Africa    |        58 |  
+-----+-----+  
3 rows in set (0.01 sec)
```

```
SELECT CountryCode,  
       COUNT(*)  
FROM   CountryLanguage  
GROUP BY CountryCode;
```

```
+-----+-----+  
| CountryCode | COUNT(*) |  
+-----+-----+  
| ABW         |         4 |  
| AFG         |         5 |  
| AGO         |         9 |
```

```
SELECT CountryCode,  
       SUM(Population)  
FROM   City  
GROUP BY CountryCode;
```

```
+-----+-----+  
| CountryCode | sum(Population) |  
+-----+-----+  
| ABW         |           29034 |  
| AFG         |          2332100 |  
| AGO         |          2561600 |  
..
```

```
SELECT C.Name,  
       SUM(T.Population)  
FROM   Country C,  
       City T  
WHERE  C.Code = T.CountryCode  
GROUP BY C.Name;
```

```
SELECT Continent,  
       Region,  
       COUNT(*)  
FROM   Country  
GROUP BY Continent, Region;
```

```
+-----+-----+-----+  
| Continent      | Region                | COUNT(*) |  
+-----+-----+-----+  
| Asia           | Eastern Asia          |      8 |  
| Asia           | Middle East           |     18 |  
| Asia           | Southeast Asia        |     11 |
```

```

SELECT Continent,
       Region,
       COUNT(*)
FROM   Country
GROUP BY Continent, Region WITH ROLLUP;

```

Continent	Region	COUNT(*)
Asia	Eastern Asia	8
Asia	Middle East	18
Asia	Southeast Asia	11
Asia	Southern and Central Asia	14
Asia	NULL	51


```

SELECT Continent,
       Region,
       COUNT(*)
FROM   Country,
       CountryLanguage
WHERE  Country.Code = CountryLanguage.Countrycode
       AND Language = 'English'
       AND IsOfficial = 'T'
GROUP BY Continent,
       Region;

```

```

+-----+-----+-----+
| Continent      | Region                | COUNT(*) |
+-----+-----+-----+
| Asia           | Eastern Asia          |         1 |
| Europe         | British Islands      |         2 |

```

```

SELECT Continent,
       COUNT(*)
FROM   Country,
       City
WHERE  Country.Code = City.Countrycode
       AND City.Population >= 1000000
GROUP BY Continent
HAVING COUNT(*) >= 25;

```

```

+-----+-----+
| Continent      | COUNT(*) |
+-----+-----+
| Asia           |         126 |
| Europe         |          36 |
| South America  |          27 |
..

```