BASIC SQL

SQL Grundlagen

```
SELECT * FROM <table>


SELECT <columns> FROM <table>
```

SELECT <columns> FROM <table>

WHERE <condition(s)>

```
SELECT * FROM circles
WHERE color = "●"
```
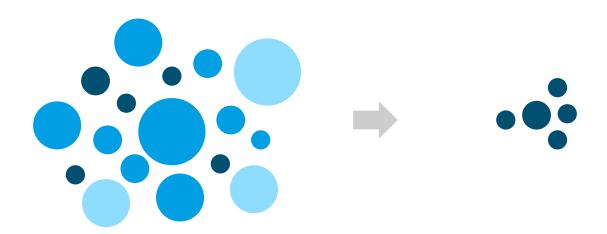
```
SELECT count(<column>)

FROM <table>


SELECT avg(<column>)

FROM <table>
```
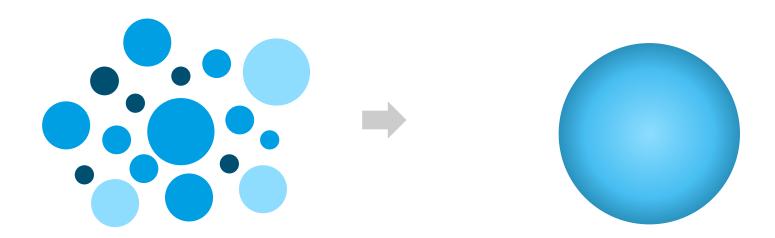
`SELECT sum(size) FROM circles`

SELECT count(<column1>), <column2>

FROM <table>

GROUP BY <column2>
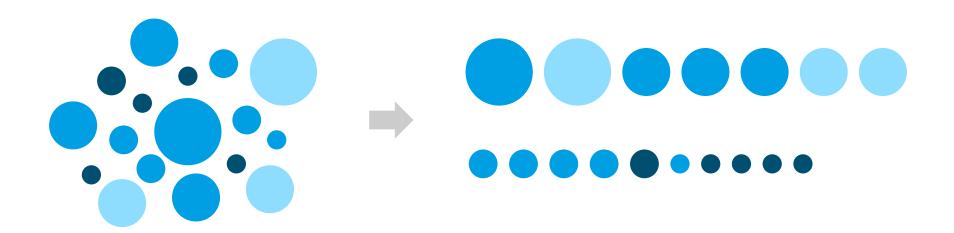
```
SELECT count(*), color FROM circles
GROUP BY color
```

```
SELECT <column1>, <column2>

FROM <table>

ORDER BY <column1> DESC
```
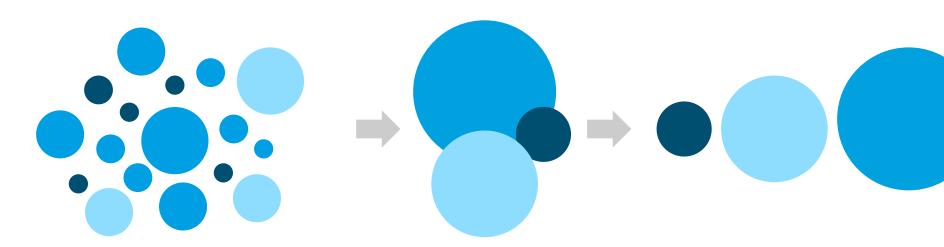
```
SELECT * FROM circles
ORDER BY size DESC
```

```
SELECT sum(<column1>), <column2>

FROM <table>

GROUP BY <column2>

ORDER BY sum(<column1>) DESC
```

```
SELECT sum(size), color FROM circles
GROUP BY color
ORDER BY sum(size) ASC
```

```
SELECT count(<column1>), <column2>

FROM <table>

GROUP BY <column2>

HAVING <condition(s)>
```

```
SELECT count(*), color FROM circles
GROUP BY color
HAVING count(*) > 3
```