# BASIC SQL

## SQL Grundlagen

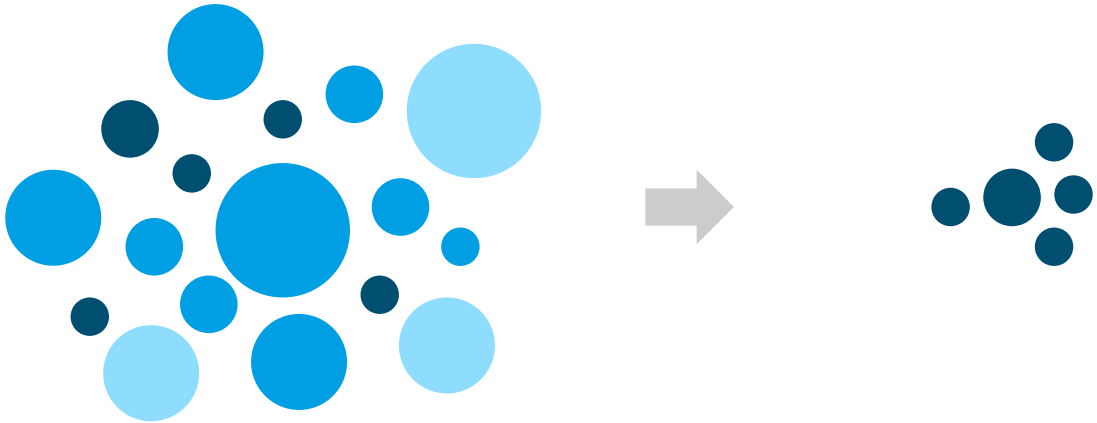
```
SELECT * FROM <table>

SELECT <columns> FROM <table>
```

```
SELECT <columns> FROM <table>
WHERE <condition(s)>
```

# FILTER ROWS

## EXAMPLE

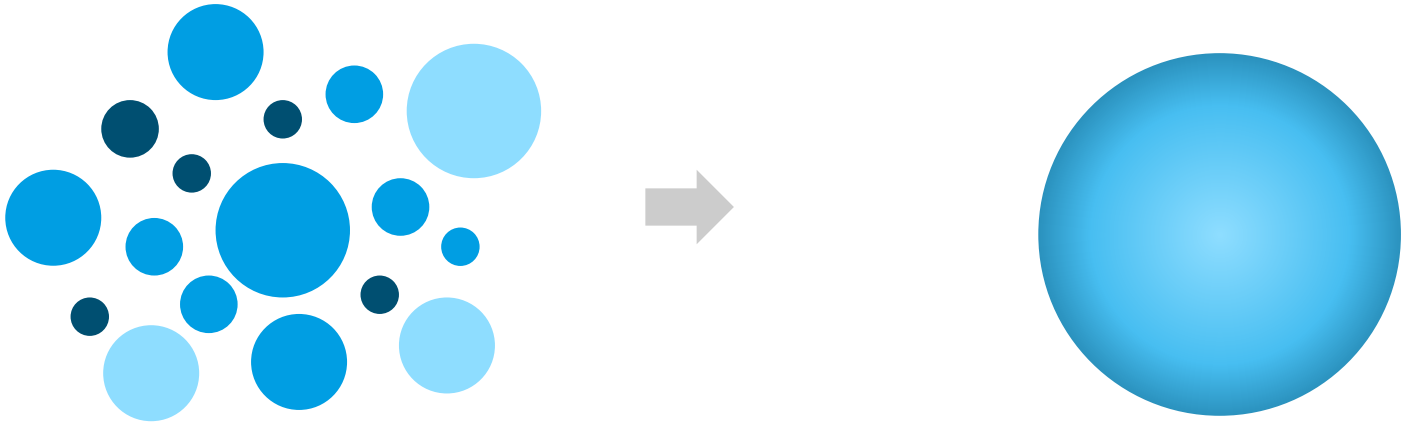
```
SELECT * FROM circles
WHERE color = "●"
```



```
SELECT count(<column>)
FROM <table>
```

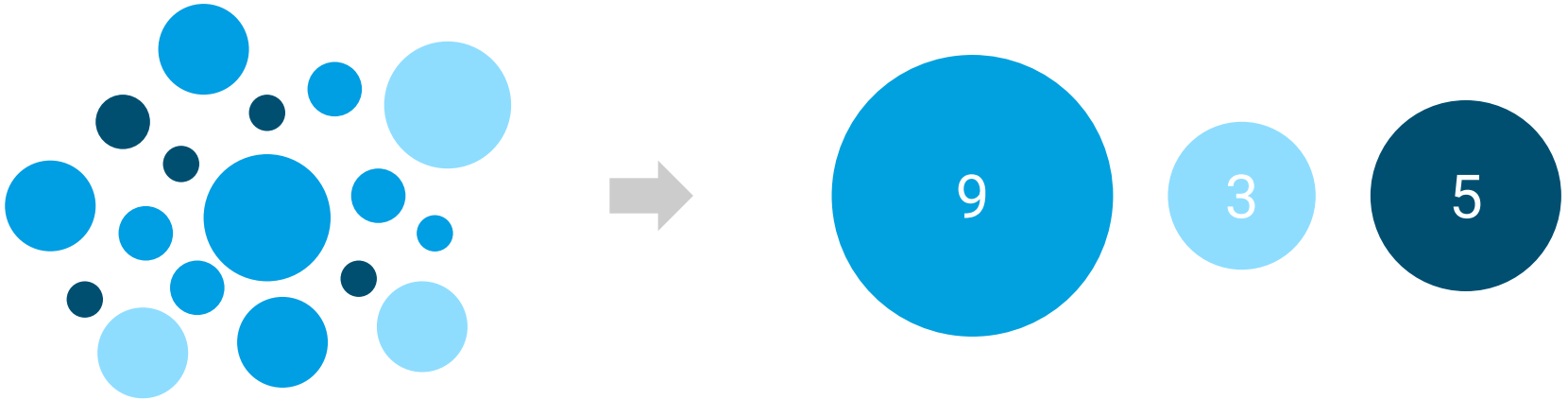
```
SELECT avg(<column>)
FROM <table>
```

```
SELECT sum(size) FROM circles
```



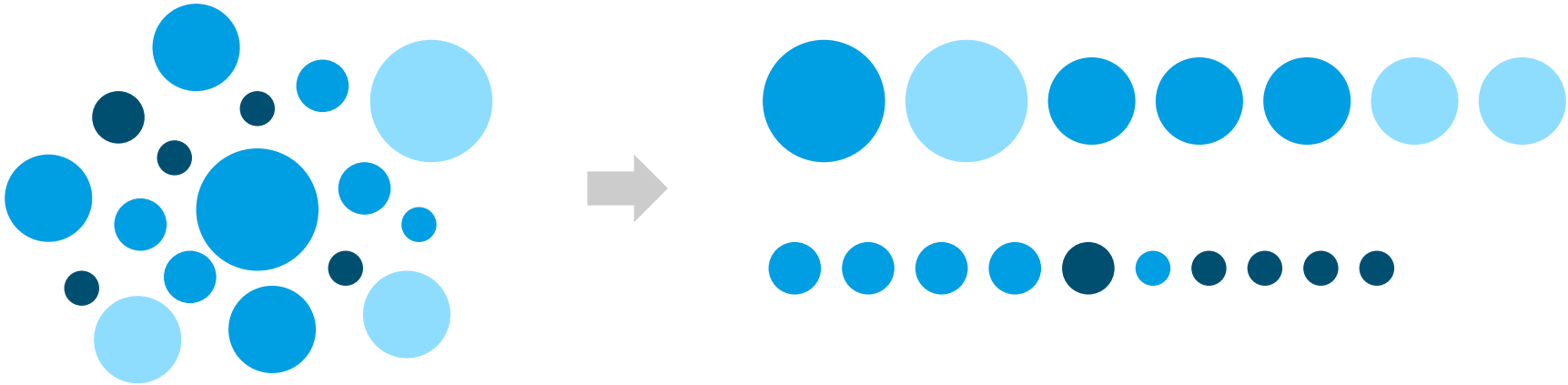
```
SELECT count(<column1>), <column2>
FROM <table>
GROUP BY <column2>
```

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



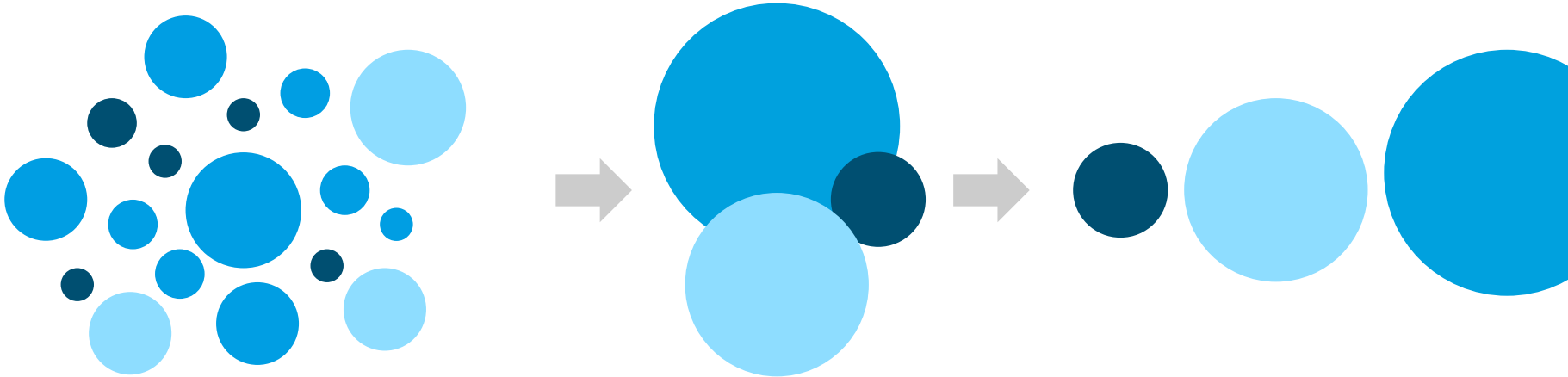
```
SELECT <column1>, <column2>
FROM <table>
ORDER BY <column1> DESC
```

```
SELECT * FROM circles
ORDER BY size DESC
```



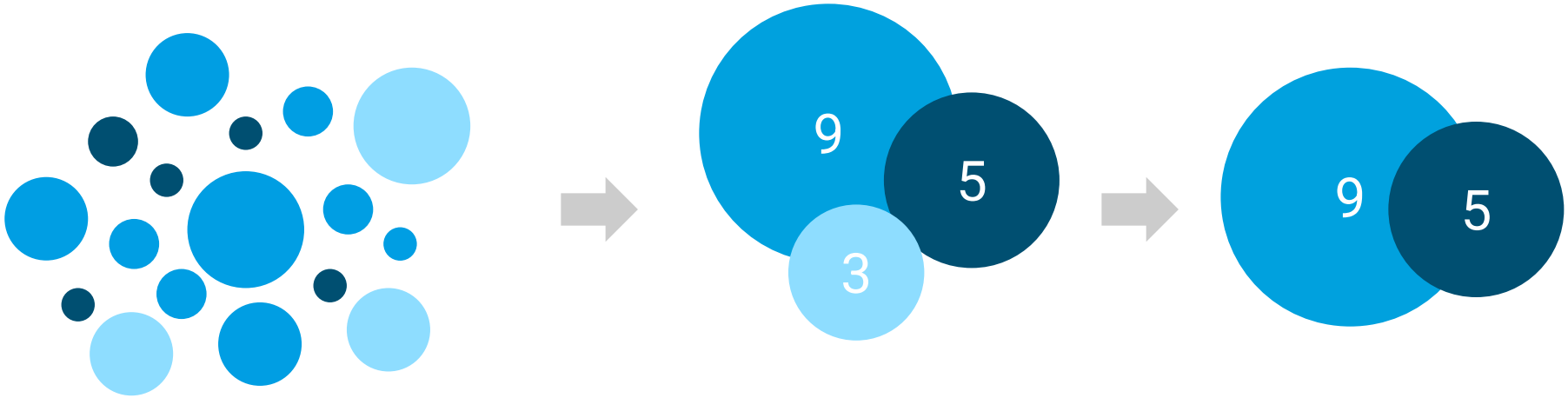
```
SELECT sum(<column1>), <column2>
FROM <table>
GROUP BY <column2>
ORDER BY sum(<column1>) DESC
```

```
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)>
```

# FILTER AGGREGATED ROWS

## HAVING EXAMPLE

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