

# What does aggregator function do?





## Aggregate functions in SQL

| Operator | Description   |  |  |
|----------|---|--|--|
| Min      | returns the smallest value of the selected column.          |  |  |
| Max      | returns the largest value of the selected column.           |  |  |
| Count    | returns the number of rows that matches specified criteria. |  |  |
| Avg      | returns the average value of a numeric column.              |  |  |
| Sum      | returns the total sum of a numeric column                   |  |  |



## Min

#### employee\_tbl

| id | name | work_date  | daily_typing_pages |
|----|------|------------|--------------------|
| 1  | John | 2007-01-24 | 250                |
| 2  | Ram  | 2007-05-27 | 220                |
|    | Jack | 2007-05-06 | 170                |
| 1  | Jack | 2007-04-06 | 100                |
| 4  | Jill | 2007-04-06 | 220                |
| 5  | Zara | 2007-06-06 | 300                |
| 5  | Zara | 2007-02-06 | 350                |

#### Query

SELECT MIN(daily\_typing\_pages)
FROM employee\_tbl







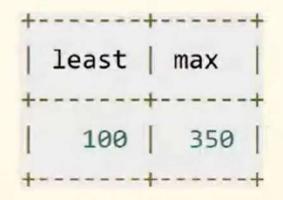
### Max

#### employee\_tbl

| id | name | work_date  | daily_typing_pages |
|----|------|------------|--------------------|
| 1  | John | 2007-01-24 | 250                |
| 2  | Ram  | 2007-05-27 | 220                |
| 3  | Jack | 2007-05-06 | 170                |
| 3  | Jack | 2007-04-06 | 100                |
| 4  | Jill | 2007-04-06 | 220                |
| 5  | Zara | 2007-06-06 | 300                |
| 5  | Zara | 2007-02-06 | 350                |

#### Query

SELECT MIN(daily\_typing\_pages) least MAX(daily\_typing\_pages) max FROM employee\_tbl





## Count

#### employee\_tbl

| id | 1 | name | work_date  | daily_typing_pages |
|----|---|------|------------|--------------------|
| 1  | 1 | John | 2007-01-24 | 250                |
| 2  | 1 | Ram  | 2007-05-27 | 220                |
| 3  | 1 | Jack | 2007-05-06 | 170                |
| 3  | 1 | Jack | 2007-04-06 | 100                |
| 4  | 1 | Jill | 2007-04-06 | 220                |
| 5  | 1 | Zara | 2007-06-06 | 300                |
| 5  | 1 | Zara | 2007-02-06 | 350                |

#### Query

SELECT COUNT(\*)
FROM employee\_tbl
WHERE name="Zara";















#### employee\_tbl

| id | name | work_date  | daily_typing_pages |
|----|------|------------|--------------------|
| 1  | John | 2007-01-24 | 250                |
| 2  | Ram  | 2007-05-27 | 220                |
| 3  | Jack | 2007-05-06 | 170                |
| 3  | Jack | 2007-04-06 | 100                |
| 4  | Jill | 2007-04-06 | 220                |
| 5  | Zara | 2007-06-06 | 300                |
| 5  | Zara | 2007-02-06 | 350                |

#### Query

SELECT AVG(daily\_typing\_pages) FROM employee\_tbl

#### Output

AVG(daily\_typing\_pages) 230.0000









## Sum

#### employee\_tbl

| id | name | work_date  | daily_typing_pages |
|----|------|------------|--------------------|
| 1  | John | 2007-01-24 | 250                |
| 2  | Ram  | 2007-05-27 | 220                |
| 3  | Jack | 2007-05-06 | 170                |
| 3  | Jack | 2007-04-06 | 100                |
| 4  | Jill | 2007-04-06 | 220                |
| 5  | Zara | 2007-06-06 | 300                |
| 5  | Zara | 2007-02-06 | 350                |

#### Query

SELECT SUM(daily\_typing\_pages)
FROM employee\_tbl

```
SUM(daily_typing_pages) |
```

