

SQLBolt Queries with aggregates (Pt. 1) Exercise 10 — Tasks

Source: https://sqlbolt.com/lesson/select_queries_with_aggregates

Q) Find the longest time that an employee has been at the studio

Ans:

```
SELECT MAX(years_employed) AS Longest_Time  
FROM employees;
```

Explanation:

- **MAX(years_employed)**: This function returns the **highest number of years** any one employee has worked.
- **AS Longest_Time**: The result column is labeled for clarity.

Q) For each role, find the average number of years employed by employees in that role

Ans:

```
SELECT Role, AVG(years_employed)  
FROM employees  
GROUP BY Role;
```

Explanation:

- **AVG(years_employed)**: Calculates the **average tenure** for each group of employees.
- **GROUP BY Role**: Groups records by job role so the average is computed **per role**.

Q) Find the total number of employee years worked in each building

Ans:

```
SELECT building, SUM(years_employed)
FROM employees
GROUP BY building;
```

Explanation:

- **SUM(years_employed)**: Adds up all the years employees in each building have worked.
- **GROUP BY building**: Groups data by building to compute totals for each.