**Activity 1 -Aggregate Functions**

**Exercise 1**

SELECT

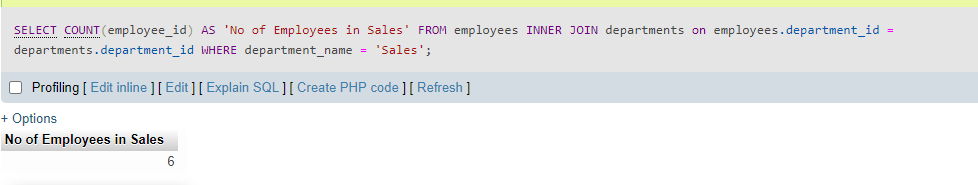
COUNT(employee\_id) AS 'No of Employees in Sales'

FROM

employees INNER JOIN departments on

employees.department\_id = departments.department\_id

WHERE department\_name = 'Sales';



**Exercise 2**

SELECT

department\_name,

COUNT(department\_name) AS 'No of Employees per dept'

FROM

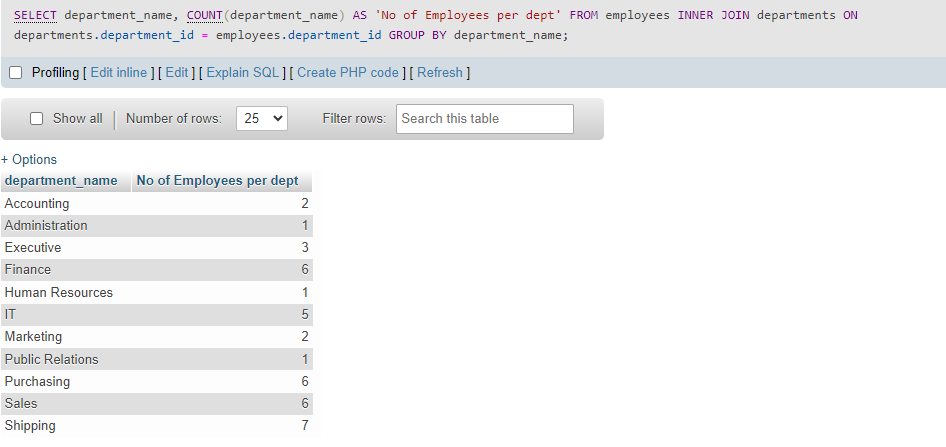
employees

INNER JOIN

departments ON departments.department\_id = employees.department\_id

GROUP BY

department\_name;



**Exercise 3**

SELECT

m.first\_name || ' ' || m.last\_name AS manager,

count(e.employee\_id) AS headcount

FROM

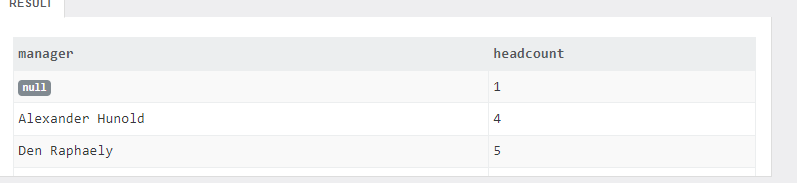
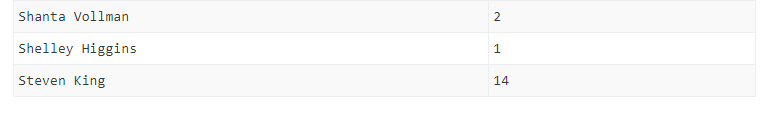
employees e

LEFT JOIN

employees m ON m.employee\_id = e.manager\_id

GROUP BY manager

ORDER BY manager;

**Exercise 4**

SELECT

e.employee\_id,

COUNT(d.dependent\_id) As NoOfDependents

FROM

employees e

LEFT JOIN dependents d ON d.employee\_id = e.employee\_id

GROUP BY

e.employee\_id

HAVING

NoOfDependents = 2;

Number of records = None from the sample database

Exercise 5

SELECT

department\_id,

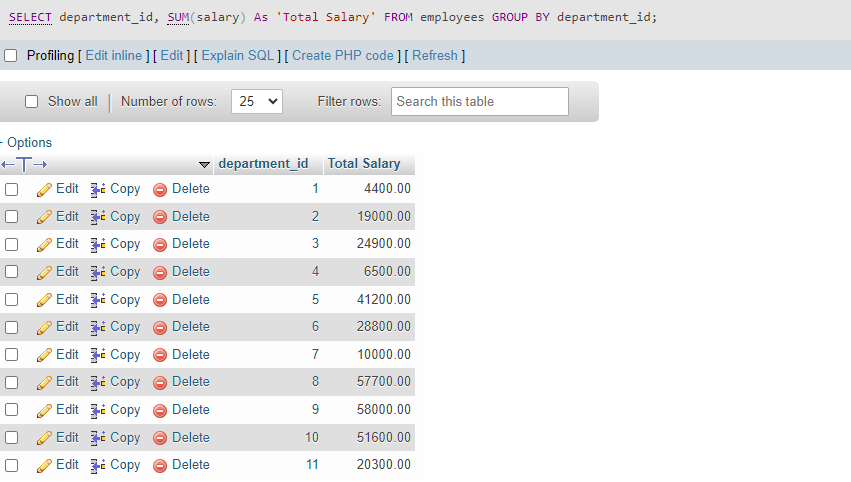
SUM(salary) As 'Total Salary'

FROM

employees

GROUP BY

department\_id;



Total number of records = 11

**Exercise 6**

SELECT

ROUND(AVG(max\_salary),2) AS 'Average of Max Salary'

FROM

jobs;

