MySQL Activity 3
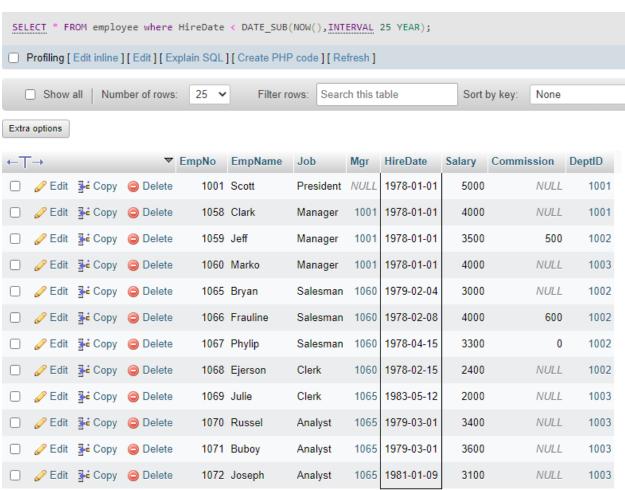
Adrian Fabian E. Abellanosa Jr.
WD 37

1. Create a query to get all employees who have more than 25 years of experienced.
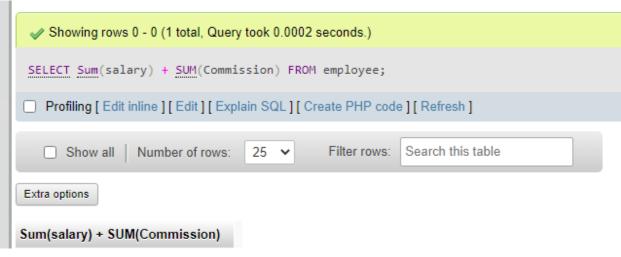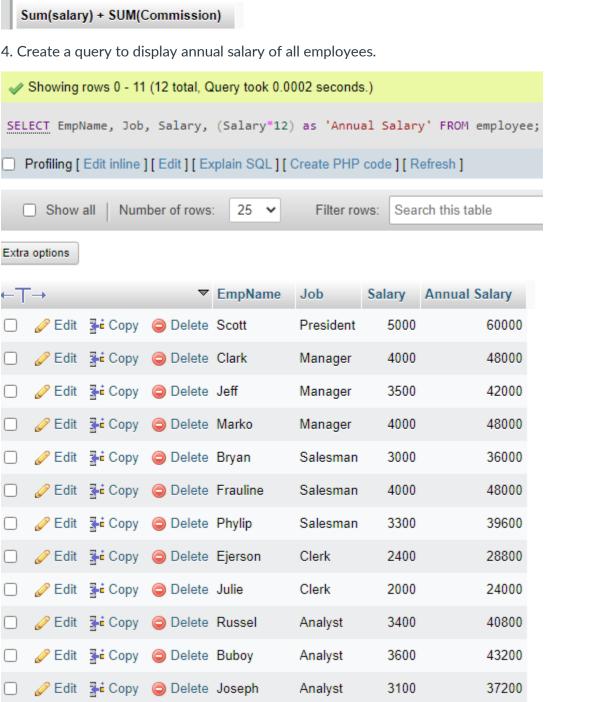
```
SELECT * FROM employee where HireDate < DATE_SUB(NOW(),INTERVAL 25 YEAR);
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table   Sort by key: None

Extra options

			EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
☐	✏ Edit	⧉ Copy ⊖ Delete	1001	Scott	President	NULL	1978-01-01	5000	NULL	1001
☐	✏ Edit	⧉ Copy ⊖ Delete	1058	Clark	Manager	1001	1978-01-01	4000	NULL	1001
☐	✏ Edit	⧉ Copy ⊖ Delete	1059	Jeff	Manager	1001	1978-01-01	3500	500	1002
☐	✏ Edit	⧉ Copy ⊖ Delete	1060	Marko	Manager	1001	1978-01-01	4000	NULL	1003
☐	✏ Edit	⧉ Copy ⊖ Delete	1065	Bryan	Salesman	1060	1979-02-04	3000	NULL	1002
☐	✏ Edit	⧉ Copy ⊖ Delete	1066	Frauline	Salesman	1060	1978-02-08	4000	600	1002
☐	✏ Edit	⧉ Copy ⊖ Delete	1067	Phylip	Salesman	1060	1978-04-15	3300	0	1002
☐	✏ Edit	⧉ Copy ⊖ Delete	1068	Ejerson	Clerk	1060	1978-02-15	2400	NULL	1002
☐	✏ Edit	⧉ Copy ⊖ Delete	1069	Julie	Clerk	1065	1983-05-12	2000	NULL	1003
☐	✏ Edit	⧉ Copy ⊖ Delete	1070	Russel	Analyst	1065	1979-03-01	3400	NULL	1003
☐	✏ Edit	⧉ Copy ⊖ Delete	1071	Buboy	Analyst	1065	1979-03-01	3600	NULL	1003
☐	✏ Edit	⧉ Copy ⊖ Delete	1072	Joseph	Analyst	1065	1981-01-09	3100	NULL	1003

2. Create a query to gell employees whose names are more than 5 character long.

```
SELECT EmpName FROM employee WHERE LENGTH(EmpName) > 5;
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

Extra options

			EmpName
☐	✏ Edit	⧉ Copy ⊖ Delete	Frauline
☐	✏ Edit	⧉ Copy ⊖ Delete	Phylip
☐	✏ Edit	⧉ Copy ⊖ Delete	Ejerson
☐	✏ Edit	⧉ Copy ⊖ Delete	Russel
☐	✏ Edit	⧉ Copy ⊖ Delete	Joseph

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3. Create a query to display total salary combined with commission of all employees.

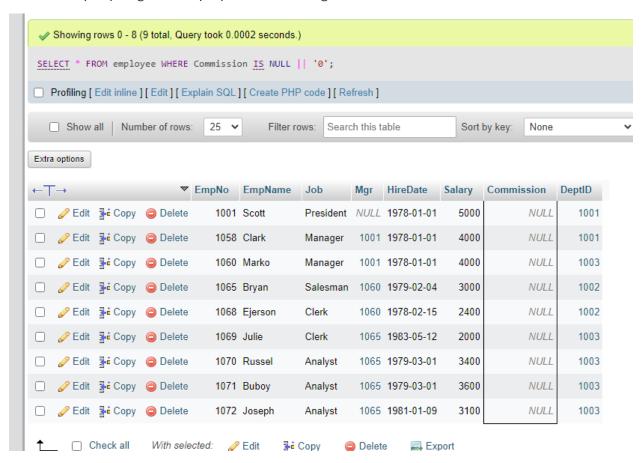Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

SELECT Sum(salary) + SUM(Commission) FROM employee;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

Extra options

Sum(salary) + SUM(Commission)

4. Create a query to display annual salary of all employees.

Showing rows 0 - 11 (12 total, Query took 0.0002 seconds.)

SELECT EmpName, Job, Salary, (Salary*12) as 'Annual Salary' FROM employee;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ⌄   Filter rows: Search this table

Extra options

←T→				EmpName	Job	Salary	Annual Salary
☐	Edit	Copy	Delete	Scott	President	5000	60000
☐	Edit	Copy	Delete	Clark	Manager	4000	48000
☐	Edit	Copy	Delete	Jeff	Manager	3500	42000
☐	Edit	Copy	Delete	Marko	Manager	4000	48000
☐	Edit	Copy	Delete	Bryan	Salesman	3000	36000
☐	Edit	Copy	Delete	Frauline	Salesman	4000	48000
☐	Edit	Copy	Delete	Phylip	Salesman	3300	39600
☐	Edit	Copy	Delete	Ejerson	Clerk	2400	28800
☐	Edit	Copy	Delete	Julie	Clerk	2000	24000
☐	Edit	Copy	Delete	Russel	Analyst	3400	40800
☐	Edit	Copy	Delete	Buboy	Analyst	3600	43200
☐	Edit	Copy	Delete	Joseph	Analyst	3100	37200

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5. Create a query to display current Date.

> ⚠ Current selection does not contain a unique column. Grid edit, checkbox, Edit, Copy and Delete fe

> ✔ Showing rows 0 - 0 (1 total, Query took 0.0001 seconds.)

```
SELECT CURRENT_DATE() as 'Date Today';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

Extra options

Date Today
2023-03-01

6.Create a query to get all employees who don't get commission.

> ✔ Showing rows 0 - 8 (9 total, Query took 0.0002 seconds.)

```
SELECT * FROM employee WHERE Commission IS NULL || '0';
```

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table   Sort by key: None ∨

Extra options

			EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
☐	✎ Edit	⧉ Copy ⊖ Delete	1001	Scott	President	NULL	1978-01-01	5000	NULL	1001
☐	✎ Edit	⧉ Copy ⊖ Delete	1058	Clark	Manager	1001	1978-01-01	4000	NULL	1001
☐	✎ Edit	⧉ Copy ⊖ Delete	1060	Marko	Manager	1001	1978-01-01	4000	NULL	1003
☐	✎ Edit	⧉ Copy ⊖ Delete	1065	Bryan	Salesman	1060	1979-02-04	3000	NULL	1002
☐	✎ Edit	⧉ Copy ⊖ Delete	1068	Ejerson	Clerk	1060	1978-02-15	2400	NULL	1002
☐	✎ Edit	⧉ Copy ⊖ Delete	1069	Julie	Clerk	1065	1983-05-12	2000	NULL	1003
☐	✎ Edit	⧉ Copy ⊖ Delete	1070	Russel	Analyst	1065	1979-03-01	3400	NULL	1003
☐	✎ Edit	⧉ Copy ⊖ Delete	1071	Buboy	Analyst	1065	1979-03-01	3600	NULL	1003
☐	✎ Edit	⧉ Copy ⊖ Delete	1072	Joseph	Analyst	1065	1981-01-09	3100	NULL	1003

↑ ☐ Check all   With selected: ✎ Edit   ⧉ Copy   ⊖ Delete   ⎙ Export
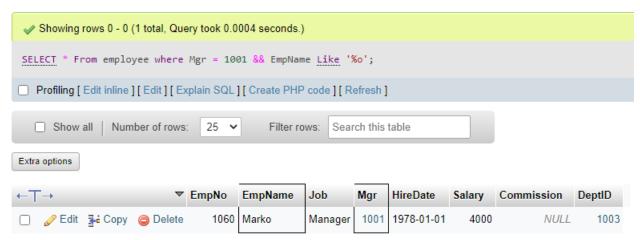
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7. Create a query to get all employees whose name contains character 'a'

✔ Showing rows 0 - 3 (4 total, Query took 0.0002 seconds.)

SELECT * From employee where EmpName Like '%a%';

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▾ Filter rows: Search this table Sort by key: None ▾

Extra options

	EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
☐ 🖉 Edit 📄 Copy ⊖ Delete	1058	Clark	Manager	1001	1978-01-01	4000	NULL	1001
☐ 🖉 Edit 📄 Copy ⊖ Delete	1060	Marko	Manager	1001	1978-01-01	4000	NULL	1003
☐ 🖉 Edit 📄 Copy ⊖ Delete	1065	Bryan	Salesman	1060	1979-02-04	3000	NULL	1002
☐ 🖉 Edit 📄 Copy ⊖ Delete	1066	Frauline	Salesman	1060	1978-02-08	4000	600	1002

8. Create a query to Get All employees working with the president whose name end with 'o'.

✔ Showing rows 0 - 0 (1 total, Query took 0.0004 seconds.)

SELECT * From employee where Mgr = 1001 && EmpName Like '%o';

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▾ Filter rows: Search this table

Extra options

	EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
☐ 🖉 Edit 📄 Copy ⊖ Delete	1060	Marko	Manager	1001	1978-01-01	4000	NULL	1003

9. Create a query to Get the Min , Max and Average Salary of all the employees.

✔ Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

SELECT Min(Salary) as MinSalary, Max(Salary) as MaxSalary,AVG(Salary) as AverageSalary from employee;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ▾ Filter rows: Search this table

Extra options

Min Salary	Max Salary	Average Salary
2000	5000	3441 6667

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10. Create a query to get the department details of employees working at BGC.

> ✔ Showing rows 0 - 1 (2 total, Query took 0.0002 seconds.)
>
> SELECT * from employee where DeptID = 1001;
>
> ☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all	Number of rows: 25 ▾	Filter rows: Search this table	Sort by key: None ▾

Extra options

←T→			EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
☐	✏ Edit	⚄ Copy	⊖ Delete	1001	Scott	President	NULL	1978-01-01	5000	NULL	1001
☐	✏ Edit	⚄ Copy	⊖ Delete	1058	Clark	Manager	1001	1978-01-01	4000	NULL	1001

11. Create a query to Get the Min , Max and Average Salary of all the employees working in Marketing Department.

> SELECT MIN(salary), MAX(salary), AVG(salary) from employee where DeptID = 1005;
>
> ☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all	Number of rows: 25 ▾	Filter rows: Search this table

Extra options

MIN(salary)	MAX(salary)	AVG(salary)
NULL	NULL	NULL

12. Create a query to get the department wise maximum, minimum and average salary on employee table(Hint: use Inner Join).
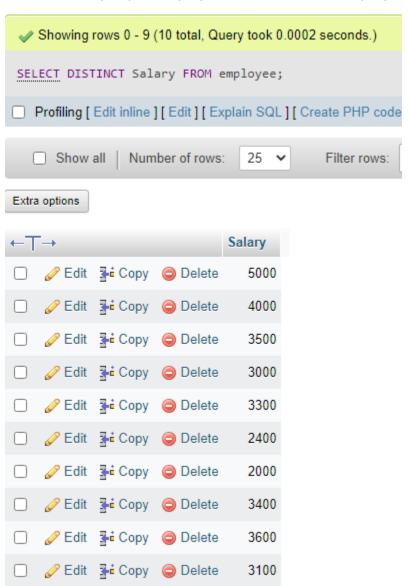
> ✔ Showing rows 0 - 2 (3 total, Query took 0.0003 seconds.)
>
> SELECT employee.DeptID, department.DeptName, MIN(employee.Salary), MAX(employee.Salary), AVG(employee.Salary) FROM employee INNER JOIN department ON employee.DeptID = department.DeptID GROUP BY DeptID;
>
> ☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all	Number of rows: 25 ▾	Filter rows: Search this table

Extra options

DeptID	DeptName	MIN(employee.Salary)	MAX(employee.Salary)	AVG(employee.Salary)
1001	Executive	4000	5000	4500.0000
1002	HR	2400	4000	3240.0000
1003	IT	2000	4000	3220.0000

13. Create a query to count total number of employees

> Your SQL query has been executed successfully.
>
> SELECT COUNT(EmpNo) FROM employee;
>
> ☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Extra options

COUNT(EmpNo)
12

Query results operations

.

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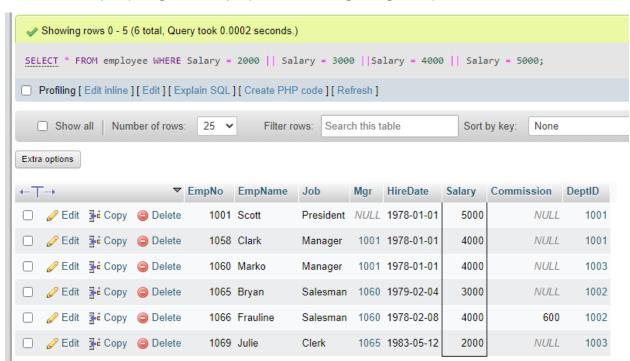14. Create a query to display distinct salaries in employee table.

✔ Showing rows 0 - 9 (10 total, Query took 0.0002 seconds.)

SELECT DISTINCT Salary FROM employee;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code

☐ Show all | Number of rows: 25 ✔   Filter rows:

Extra options

←T→				Salary
☐	🖉 Edit	⬚ Copy	⊖ Delete	5000
☐	🖉 Edit	⬚ Copy	⊖ Delete	4000
☐	🖉 Edit	⬚ Copy	⊖ Delete	3500
☐	🖉 Edit	⬚ Copy	⊖ Delete	3000
☐	🖉 Edit	⬚ Copy	⊖ Delete	3300
☐	🖉 Edit	⬚ Copy	⊖ Delete	2400
☐	🖉 Edit	⬚ Copy	⊖ Delete	2000
☐	🖉 Edit	⬚ Copy	⊖ Delete	3400
☐	🖉 Edit	⬚ Copy	⊖ Delete	3600
☐	🖉 Edit	⬚ Copy	⊖ Delete	3100

15. Create a query to get all employees whose names length is greater than 3 character and less than 5.

✔ Showing rows 0 - 0 (1 total, Query took 0.0002 seconds.)

SELECT * FROM employee WHERE CHAR_LENGTH(EmpName) > 3 && CHAR_LENGTH(EmpName) < 5;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ✔   Filter rows: Search this table

Extra options

←T→				EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
☐	🖉 Edit	⬚ Copy	⊖ Delete	1059	Jeff	Manager	1001	1978-01-01	3500	500	1002

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16. Create a query to ger all employees who are getting salary 2000, 3000, 4000, 5000.

Showing rows 0 - 5 (6 total, Query took 0.0002 seconds.)

SELECT * FROM employee WHERE Salary = 2000 || Salary = 3000 ||Salary = 4000 || Salary = 5000;

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 ⌄   Filter rows: Search this table   Sort by key: None

Extra options

	EmpNo	EmpName	Job	Mgr	HireDate	Salary	Commission	DeptID
Edit Copy Delete	1001	Scott	President	NULL	1978-01-01	5000	NULL	1001
Edit Copy Delete	1058	Clark	Manager	1001	1978-01-01	4000	NULL	1001
Edit Copy Delete	1060	Marko	Manager	1001	1978-01-01	4000	NULL	1003
Edit Copy Delete	1065	Bryan	Salesman	1060	1979-02-04	3000	NULL	1002
Edit Copy Delete	1066	Frauline	Salesman	1060	1978-02-08	4000	600	1002
Edit Copy Delete	1069	Julie	Clerk	1065	1983-05-12	2000	NULL	1003

17. Create a query to get the top 5 highest paid employee.

SELECT * FROM employee ORDER BY Salary DESC LIMIT 5;

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Extra options

	EmpNo	EmpName	Job	Mgr	HireDate	Salary ⌄ 1	Commission	DeptID
Edit Copy Delete	1001	Scott	President	NULL	1978-01-01	5000	NULL	1001
Edit Copy Delete	1058	Clark	Manager	1001	1978-01-01	4000	NULL	1001
Edit Copy Delete	1060	Marko	Manager	1001	1978-01-01	4000	NULL	1003
Edit Copy Delete	1066	Frauline	Salesman	1060	1978-02-08	4000	600	1002
Edit Copy Delete	1071	Buboy	Analyst	1065	1979-03-01	3600	NULL	1003

18. Create a query to get the least 5 salaries of employee table.

Showing rows 0 - 4 (5 total, Query took 0.0002 seconds.) [Salary: 2000... - 3300...]

SELECT * FROM employee ORDER BY Salary ASC LIMIT 5;

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Extra options

	EmpNo	EmpName	Job	Mgr	HireDate	Salary ▲ 1	Commission	DeptID
Edit Copy Delete	1069	Julie	Clerk	1065	1983-05-12	2000	NULL	1003
Edit Copy Delete	1068	Ejerson	Clerk	1060	1978-02-15	2400	NULL	1002
Edit Copy Delete	1065	Bryan	Salesman	1060	1979-02-04	3000	NULL	1002
Edit Copy Delete	1072	Joseph	Analyst	1065	1981-01-09	3100	NULL	1003
Edit Copy Delete	1067	Phylip	Salesman	1060	1978-04-15	3300	0	1002

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19. Create a query to get the total no departments in the organization.

Your SQL query has been executed successfully.

SELECT COUNT(DeptID) FROM department;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Extra options

COUNT(DeptID)
5

Query results operations

20. Create a query to get the Highest paid department with the average salary.

Note: Upload screenshot of your output and Git link for your source code.

✔ Showing rows 0 - 0 (1 total, Query took 0.0003 seconds.)

SELECT DeptID, MAX(max_salary) from (Select DeptID, AVG(Salary) as max_salary from employee GROUP BY DeptID) As maximum_sal;

☐ Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

☐ Show all | Number of rows: 25 ∨   Filter rows: Search this table

Extra options

DeptID	MAX(max_salary)
1001	4500.0000