**1. Report:**

 How many rows do we have in each table in employees database?

[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [COUNT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM employees

* Department: 9
* Dept\_emp: 0
* Dept\_manager: 24
* Employees: 125 020
* Salaries: 25 526
* Titles: 65.094

**2. Report:**

 How many employees with the first name "Mark" do we have in our company?

* [SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [COUNT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(first\_name) FROM employees WHERE first\_name='Mark' 🡪 96

**3. Report:**

 How many employees with the first name "Eric" and the last name beginning with "A" do we have in our company?

[select](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) first\_name, last\_name from employees where first\_name='Eric'[AND](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) last\_name [LIKE](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/string-comparison-functions.html#operator_like) 'A%'



**4. Report:**

 How many employees do we have that are working for us since 1985 and who are they?

[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM employees WHERE hire\_date BETWEEN '1985-01-01' [AND](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) '2018-12-31'

[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [COUNT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM employees WHERE hire\_date BETWEEN '1985-01-01' [AND](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) '2018-12-31'

[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [COUNT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM employees WHERE hire\_date BETWEEN '1985-01-01' [AND](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) '1985-12-31'

**5. Report:**

 How many employees got hired from 1990 until 1997 and who are they?

[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) \* FROM employees WHERE hire\_date BETWEEN '1990-01-01' [AND](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and)'1997-01-01'

**6. Report:**

 How many employees have salaries higher than EUR 70 000,00 and who are they?

[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) employees.first\_name,employees.last\_name, employees.gender, employees.hire\_date, employees.birth\_date, salaries.salary FROM employees INNER JOIN salaries ON employees.emp\_no =salaries.emp\_no WHERE salaries.salary > 70000



[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) [COUNT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/group-by-functions.html#function_count)(\*) FROM employees INNER JOIN salaries ON employees.emp\_no =salaries.emp\_no WHERE salaries.salary > 70000

**7. Report:**

 How many employees do we have in the Research Department, who are working for us since 1992 and who are they?

[SELECT](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) employees.first\_name, employees.last\_name,departments.dept\_name FROM dept\_emp JOIN employees ON employees.emp\_no = dept\_emp.emp\_no JOIN departments ON departments.dept\_no =dept\_emp.dept\_no WHERE employees.hire\_date > '1991-12-31' [AND](http://192.168.64.2/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/logical-operators.html#operator_and) departments.dept\_no = 'd008'

Or:

SELECT employees.first\_name, departments.dept\_name

FROM employees

LEFT JOIN dept\_emp ON dept\_emp.emp\_no = employees.emp\_no

LEFT JOIN departments ON departments.dept\_no = dept\_emp.dept\_no

WHERE departments.dept\_no = 'd008' and dept\_emp.from\_date >= '1992-01-01'

**8. Report:**

 How many employees do we have in the Finance Department, who are working for us since 1985 until now and who have salaries higher than EUR 75 000,00 - who are they?

SELECT employees.first\_name, departments.dept\_name, dept\_emp.from\_date, salaries.salary

FROM employees

LEFT JOIN salaries ON salaries.emp\_no = employees.emp\_no

LEFT JOIN dept\_emp ON dept\_emp.emp\_no = employees.emp\_no

LEFT JOIN departments ON departments.dept\_no = dept\_emp.dept\_no

WHERE dept\_emp.from\_date between '1985-01-01' and '2018-06-14' and departments.dept\_no = 'd002'

/\*

**9. Report:**

 We need a table with employees , who are working for us at this moment: first and last name, date of birth, gender, hire\_date, title and salary.

**10. Report:**

 We need a table with managers, who are working for us at this moment: first and last name, date of birth, gender, hire\_date, title, department name and salaryt.

SELECT employees.first\_name, employees.last\_name, employees.birth\_date, employees.gender, employees.hire\_date, titles.title, salaries.salary

FROM employees

LEFT JOIN titles ON titles.emp\_no = employees.emp\_no

LEFT JOIN salaries ON salaries.emp\_no = employees.emp\_no

WHERE salaries.to\_date = '9999-01-01'

**Bonus query:**

  Create a query which will join all tables and show all data from all tables.

**Next step:**

 Now you should create at least 5 queries on your own, try to use data from more than 2 tables.