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| N | Task | Query | Screen |
| 1 | Show all info about the employee with ID 8. | SELECT \* FROM employees  WHERE EmployeeID=8; | E:\Elenyel\Courses\Week_5\1.pngE:\Elenyel\Courses\Week_5\1_1.png |
| 2 | Show the list of first and last names of the employees from London | SELECT FirstName, LastName AS 'Employees from London‘  FROM employees  WHERE City='London' | E:\Elenyel\Courses\Week_5\2.png |
| 3 | Show the list of first and last names of the employees whose first name begins with letter A. | SELECT FirstName, LastName AS 'Employees from London‘  FROM employees  WHERE City='London'  AND FirstName LIKE 'A%'; | E:\Elenyel\Courses\Week_5\3.png |
| 4 | Show the list of first, last names and ages of the employees whose age is greater than 55. The result should be sorted by last name. | SELECT LastName, FirstName,  TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) AS age\_of\_employees  FROM employees  WHERE TIMESTAMPDIFF(YEAR,BirthDate,CURDATE()) > 55  ORDER BY LastName; | E:\Elenyel\Courses\Week_5\4.png |
| 5 | Calculate the count of employees from London | SELECT COUNT(City)  FROM employees  WHERE City='London'; | E:\Elenyel\Courses\Week_5\5.png |
| 6 | Calculate the greatest, the smallest and the average age among the employees from London. | SELECT MIN(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS min\_age, MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age, AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS average\_age  FROM employees  WHERE City='London'; | E:\Elenyel\Courses\Week_5\6.png |
| SELECT MIN(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS min\_age, MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age, AVG(DATE\_FORMAT(NOW(), '%Y') - DATE\_FORMAT(BirthDate, '%Y') - (DATE\_FORMAT(NOW(), '00-%m-%d') < DATE\_FORMAT(BirthDate, '00-%m-%d'))) AS average\_age  FROM employees  WHERE City='London'; |
| 7 | Calculate the greatest, the smallest and the average age of the employees for each city. | SELECT City,  MIN(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS min\_age,  MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age,  AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS average\_age  FROM employees  GROUP BY City; | E:\Elenyel\Courses\Week_5\7.png |
| 8 | Show the list of cities in which the average age of employees is greater than 60 (the average age is also to be shown) | SELECT City,  AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS average\_age  FROM employees  GROUP BY City  HAVING AVG(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) > 60; | E:\Elenyel\Courses\Week_5\8.png |
| 9 | Show the first and last name(s) of the eldest employee(s). Use a subquery | SELECT LastName, FirstName, MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE())) AS max\_age  FROM employees  WHERE TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) =  (SELECT MAX(TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()))  FROM employees); | https://i.gyazo.com/8cc5ab8e0b4174124e71bb8117ca6813.png |
| 10 | Show first, last names and ages of 3 eldest employees. | SELECT LastName, FirstName, TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) AS age  FROM employees  ORDER BY TIMESTAMPDIFF(YEAR, BirthDate, CURDATE()) DESC  LIMIT 3; | https://i.gyazo.com/e20db970d0440c0d3564ef3b0954b81d.png |
| 11 | Show the list of all cities where the employees are from. | SELECT DISTINCT city  FROM employees; | https://i.gyazo.com/be12f65a0647157df38b882cb7a59b95.png |
| 12 | Show first, last names and dates of birth of the employees who celebrate their birthdays this month. | SELECT FirstName, LastName, DATE(BirthDate)  FROM employees  WHERE MONTH(BirthDate)=5; | https://i.gyazo.com/7ffc567d148d572b278c3c9c31f25acc.png |
| 13 | Show first and last names of the employees who used to serve orders shipped to Madrid. | SELECT employees.LastName, employees.FirstName, orders.ShipCity  FROM employees INNER JOIN orders ON employees.EmployeeID=orders.EmployeeID  WHERE ShipCity='Madrid'; | https://i.gyazo.com/bcc688e75a4bf5dcf3406f2b86e51f3d.png |
| 14 | Show first and last names of the employees as well as the count of orders each of them have received during the year 1997 (use left join). | SELECT employees.LastName, employees.FirstName, COUNT(orders.OrderID) AS amount\_of\_orders  FROM employees LEFT JOIN orders ON employees.EmployeeID=orders.EmployeeID  WHERE YEAR(orders.ShippedDate)=1997  GROUP BY employees.EmployeeID; | https://i.gyazo.com/efc38ab454645196e31b0632eb393157.png |
| 15 | Show first and last names of the employees as well as the count of orders each of them have received during the year 1997 (use a subquery). | SELECT employees.LastName, employees.FirstName, COUNT(orders.OrderID) AS amount\_of\_orders  FROM employees, orders  WHERE employees.EmployeeID=orders.EmployeeID AND  YEAR(orders.ShippedDate)=1997  GROUP BY employees.EmployeeID; | https://i.gyazo.com/fffed8681e72e6dd4baccfc9d91be9e5.png |
| 16 | Show first and last names of the employees as well as the count of their orders shipped after required date during the year 1997 (use left join). | SELECT employees.LastName, employees.FirstName, COUNT(orders.OrderID) AS expired\_oders  FROM employees LEFT JOIN orders ON employees.EmployeeID=orders.EmployeeID  WHERE YEAR(orders.ShippedDate)=1997 AND DATE(orders.ShippedDate) > DATE(orders.RequiredDate)  GROUP BY employees.EmployeeID; | https://i.gyazo.com/f9df3a6d978b1e2792bd9a03b3927efd.png |
| 17 | Show the count of orders made by each customer from France. | SELECT COUNT(OrderID) AS amount\_of\_orders, customers.CompanyName, customers.Country  FROM orders, customers  WHERE customers.CustomerID=orders.CustomerID AND customers.Country='France'  GROUP BY customers.CompanyName; | https://i.gyazo.com/a6f6b3a1f982b29bcc924d7edcc37c73.png |
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