1. Update all monthly\_salary which is 0 to 45000;

[update](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/update.html) employees [SET](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/set.html)`monthly\_salary` = 45000 where monthly\_salary = 0

1. Update all monthly\_salary which is less than 25000 to (25000 to 700000)

update employees SET`monthly\_salary`= FLOOR(RAND()\*(70000-25000+1))+25000 where monthly\_salary < 25000

Note: Here 70000 is max and 25000 is min value

1. Now Calculate annual salary and put them into annually salary.
2. [update](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/update.html) employees [SET](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/set.html) `annually`= 12 \* monthly\_salary
3. Select second maximum salary from employee table.

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `monthly\_salary` FROM `employees` ORDER by `monthly\_salary` DESC limit 1,1

SELECT `monthly\_salary` FROM employees WHERE monthly\_salary < (SELECT MAX(monthly\_salary) FROM employees) ORDER by monthly\_salary DESC LIMIT 0,1

1. Find monthly salary from annually columns.

[SELECT](http://localhost/phpmyadmin/url.php?url=https://dev.mysql.com/doc/refman/5.5/en/select.html) `name`,`email`, `annually`/12 as Monthly FROM `employees` WHERE 1

Write a query to find duplicate rows in a table/relation.

SELECT `email`, COUNT(`email`) FROM employees GROUP BY `email` HAVING COUNT(`email`) > 1

Explanation:

1. First, use the [GROUP BY](https://www.mysqltutorial.org/mysql-group-by.aspx) clause to group all rows by the target column, which is the column that you want to check duplicate.
2. Then, use the [COUNT()](https://www.mysqltutorial.org/mysql-count/) function in the [HAVING](https://www.mysqltutorial.org/mysql-having.aspx) clause to check if any group have more than 1 element. These groups are duplicate.