

# Problem solving on SQL Queries

## Assignment Solutions



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Employee Table

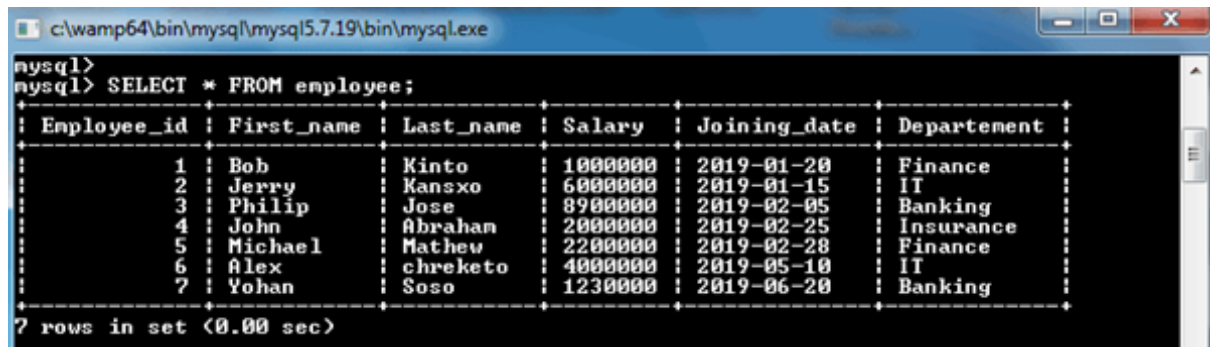
Employee_id	First_name	Last_name	Salary	Joining_date	Departement
1	Bob	Kinto	1000000	2019-01-20	Finance
2	Jerry	Kansxo	6000000	2019-01-15	IT
3	Philip	Jose	8900000	2019-02-05	Banking
4	John	Abraham	2000000	2019-02-25	Insurance
5	Michael	Mathew	2200000	2019-02-28	Finance
6	Alex	chreketo	4000000	2019-05-10	IT
7	Yohan	Soso	1230000	2019-06-20	Banking

Reward Table

Employee_ref_id	date_reward	amount
1	2019-05-11	1000
2	2019-02-15	5000
3	2019-04-22	2000
1	2019-06-20	8000

## 1. Get all employees.

```
SELECT * FROM employee;
```



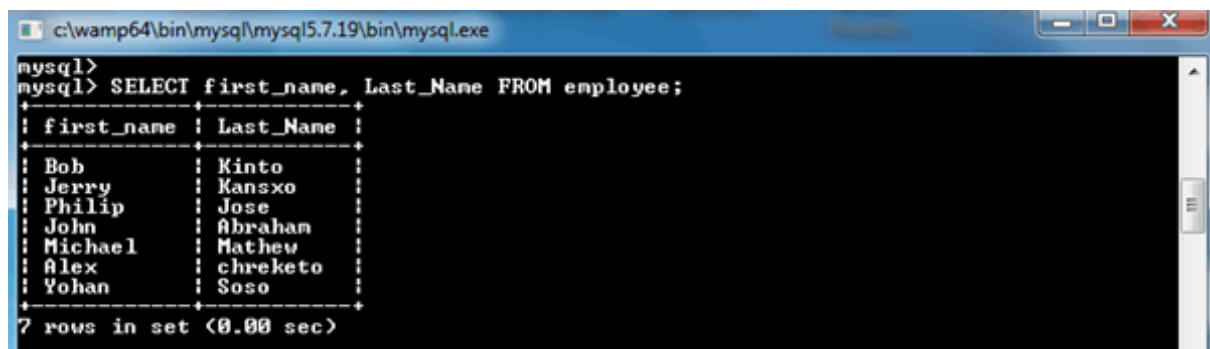
```
mysql> SELECT * FROM employee;
```

Employee_id	First_name	Last_name	Salary	Joining_date	Departement
1	Bob	Kinto	1000000	2019-01-20	Finance
2	Jerry	Kansxo	6000000	2019-01-15	IT
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6	Alex	chreketo	4000000	2019-05-10	IT
7	Yohan	Soso	1230000	2019-06-20	Banking

7 rows in set (0.00 sec)

## 2. Display the first name and last name of all employees.

```
SELECT First_name, Last_name FROM employee;
```



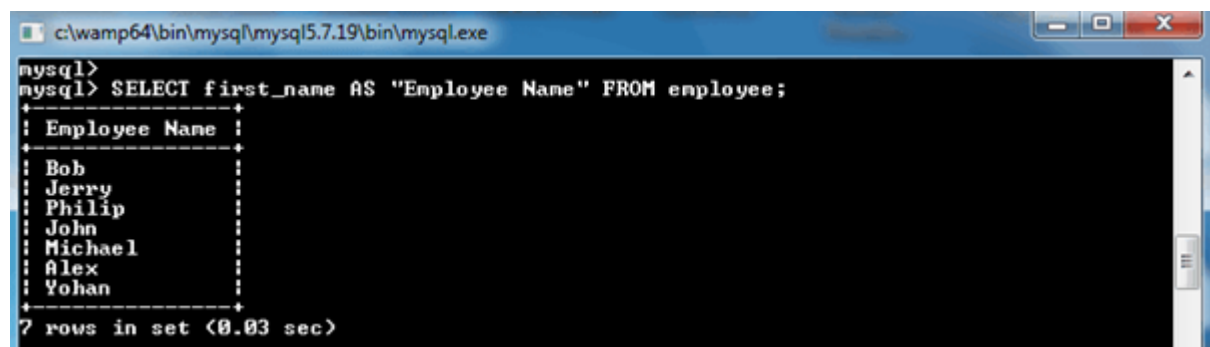
```
mysql> SELECT first_name, Last_Name FROM employee;
```

first_name	Last_Name
Bob	Kinto
Jerry	Kansxo
Philip	Jose
John	Abraham
Michael	Mathev
Alex	chreketo
Yohan	Soso

7 rows in set (0.00 sec)

## 3. Display all the values of the “First\_Name” column using the alias “Employee Name”

```
SELECT First_name AS "Employee Name" FROM employee;
```



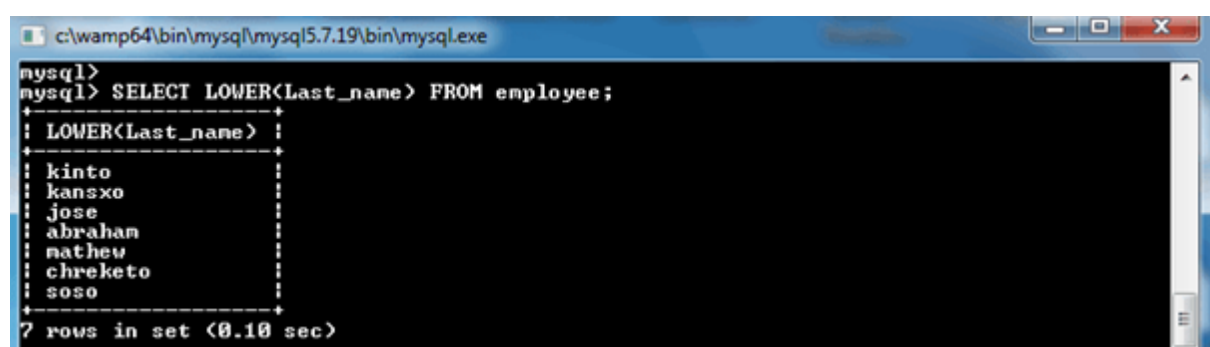
```
mysql> SELECT first_name AS "Employee Name" FROM employee;
```

Employee Name
Bob
Jerry
Philip
John
Michael
Alex
Yohan

7 rows in set (0.03 sec)

## 4. Get all “Last\_Name” in lowercase.

```
SELECT LOWER>Last_name) FROM employee;
```



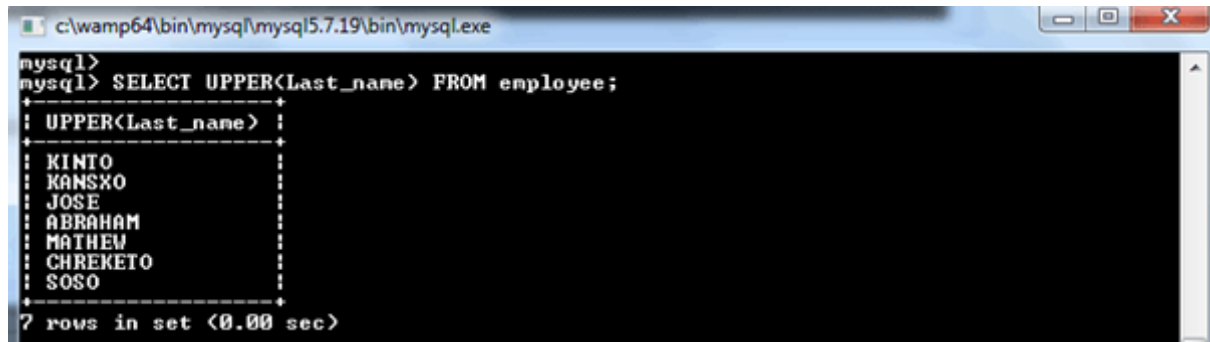
```
mysql> SELECT LOWER>Last_name) FROM employee;
```

LOWER>Last_name)
kinto
kansxo
jose
abraham
mathev
chreketo
soso

7 rows in set (0.10 sec)

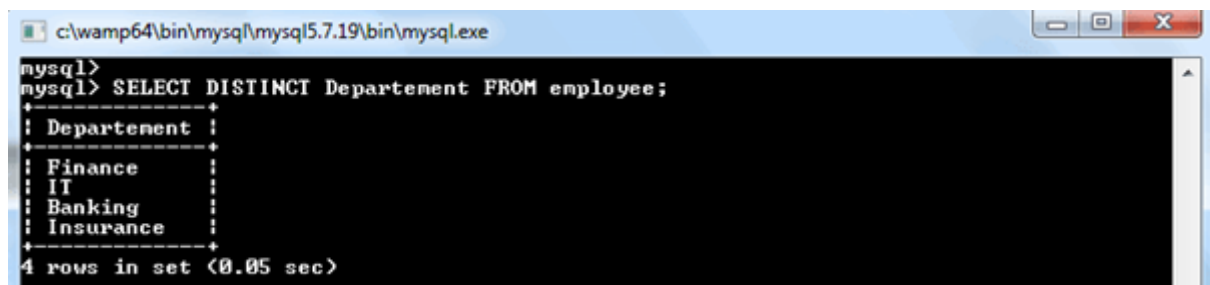
**5. Get all “Last\_Name” in uppercase.**

```
SELECT UPPER>Last_name) FROM employee;
```



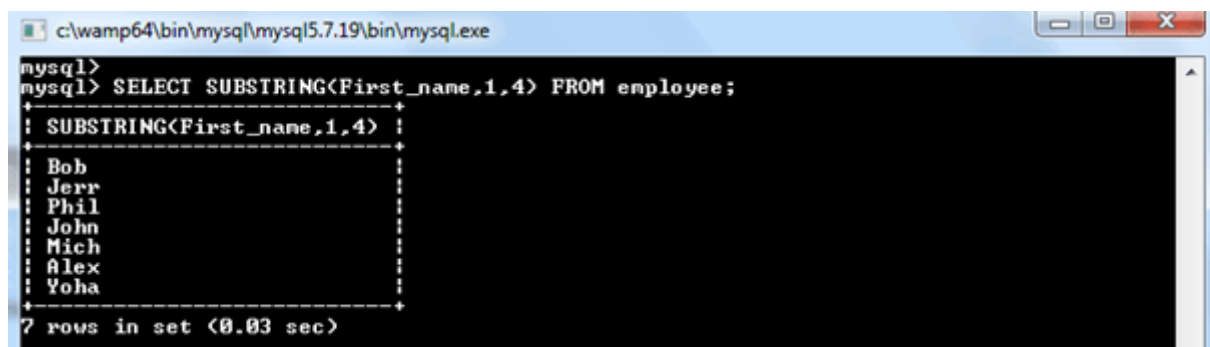
## 6. Get unique “DEPARTMENT”.

```
SELECT DISTINCT Departement FROM employee;
```



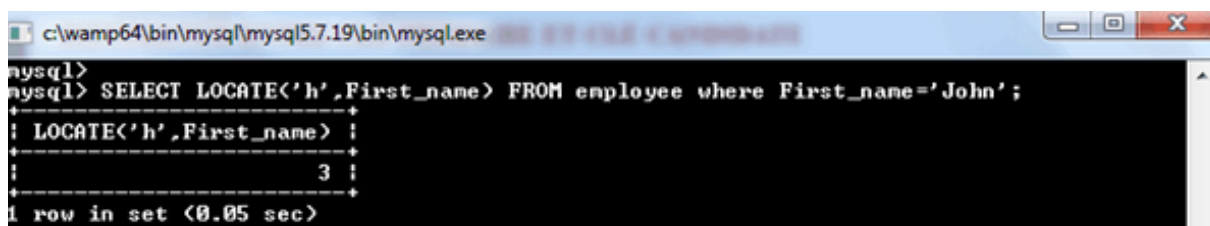
### 7. Get the first 4 characters of "FIRST\_NAME" column.

```
SELECT SUBSTRING(First name,1,4) FROM employee;
```



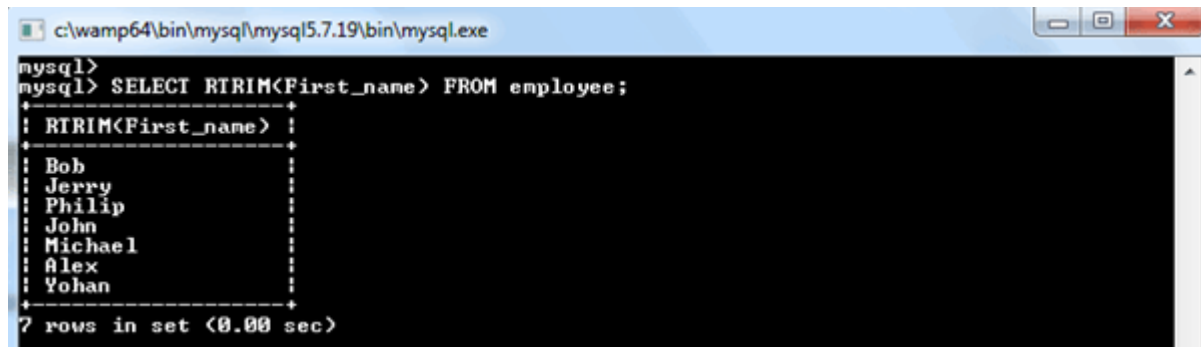
### 8. Get the position of the letter 'h' in 'John'.

```
SELECT LOCATE('h',First name) FROM employee where First name='John';
```



9. Get all values from the “FIRST\_NAME” column after removing white space on the right.

```
SELECT RTRIM(First_name) FROM employee;
```

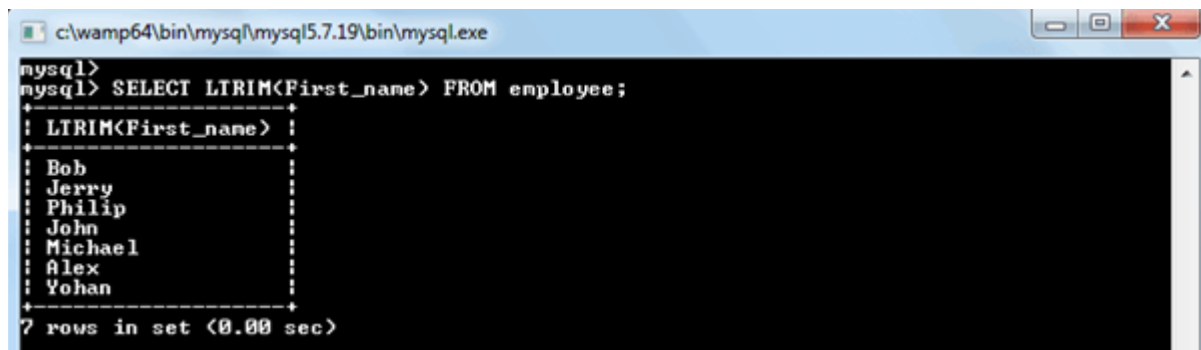


The screenshot shows a MySQL command prompt window with the following text:

```
c:\wamp64\bin\mysql\mysql5.7.19\bin\mysql.exe
mysql>
mysql> SELECT RTRIM(First_name) FROM employee;
+-----+
| RTRIM(First_name) |
+-----+
| Bob               |
| Jerry             |
| Philip            |
| John              |
| Michael           |
| Alex              |
| Yohan             |
+-----+
7 rows in set (0.00 sec)
```

10. Get all values from the “FIRST\_NAME” column after removing white space on the left.

```
SELECT LTRIM(First_name) FROM employee;
```



The screenshot shows a MySQL command prompt window with the following text:

```
c:\wamp64\bin\mysql\mysql5.7.19\bin\mysql.exe
mysql>
mysql> SELECT LTRIM(First_name) FROM employee;
+-----+
| LTRIM(First_name) |
+-----+
| Bob               |
| Jerry             |
| Philip            |
| John              |
| Michael           |
| Alex              |
| Yohan             |
+-----+
7 rows in set (0.00 sec)
```