

Creación de la función:

```
CREATE DEFINER='root'@'localhost' FUNCTION `salario_maximo_departamento` ( p_nombre_departamento varchar(40))  
| RETURNS varchar(10) CHARSET utf8mb4  
| DETERMINISTIC  
| BEGIN  
|  
|     declare s varchar(10);  
|     select max(salary) into s  
|     from salaries a  
|     join dept_emp b on a.emp_no = b.emp_no  
|     join departments c on b.dept_no = c.dept_no  
|     where c.dept_name =p_nombre_departamento;  
|  
| RETURN s;  
| END
```

Ejecución de la función con el primer departamento:

```
615 #Ejer 11 de J.V.Z.  
616 • use employees;  
617 • set global log_bin_trust_function_creators=0;  
618 • select salario_maximo_departamento('Marketing');  
619
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
salario_maximo_departamento('Marketing')			
145128			

Result 5 x

Output

#	Time	Action	Message
✓ 1	12:22:11	use employees	0 row(s) affected
✓ 2	12:22:11	set global log_bin_trust_function_creators=0	0 row(s) affected
✓ 3	12:22:11	select salario_maximo_departamento('Marketing') LIMIT 0, 1000	1 row(s) returned

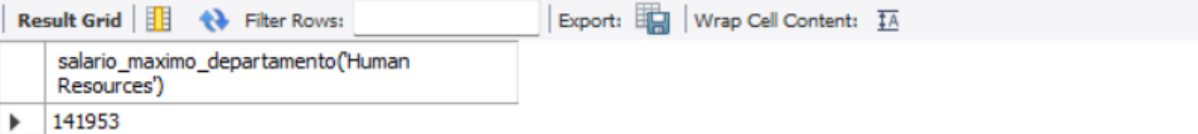
Ejecución de la función con el segundo departamento:

```
620 • select salario_maximo_departamento('Finance');  
621
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
salario_maximo_departamento('Finance')			
142395			

Ejecución de la función con el tercer departamento:

```
620 • select salario_maximo_departamento('Human Resources');
621
```

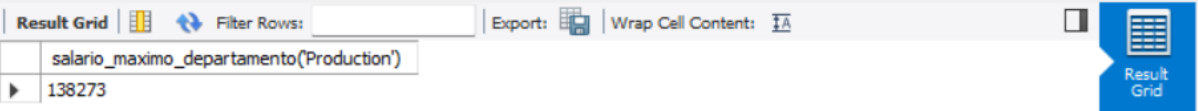


The screenshot shows a SQL query execution interface. At the top, the query `select salario_maximo_departamento('Human Resources');` is entered. Below the query, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is selected, and a table with one row is displayed. The table has two columns: the first column contains the query text `salario_maximo_departamento('Human Resources')`, and the second column contains the value `141953`.

salario_maximo_departamento('Human Resources')
141953

Ejecución de la función con el cuarto departamento:

```
620 • select salario_maximo_departamento('Production');
621
```

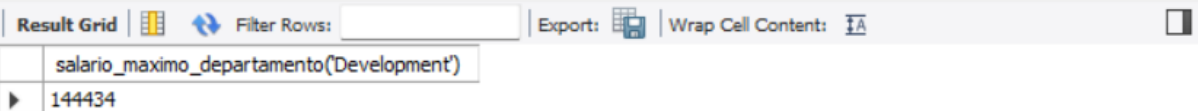


The screenshot shows a SQL query execution interface. At the top, the query `select salario_maximo_departamento('Production');` is entered. Below the query, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is selected, and a table with one row is displayed. The table has two columns: the first column contains the query text `salario_maximo_departamento('Production')`, and the second column contains the value `138273`. A blue 'Result Grid' button is visible on the right side of the interface.

salario_maximo_departamento('Production')
138273

Ejecución de la función con el quinto departamento:

```
620 • select salario_maximo_departamento('Development');
621
```

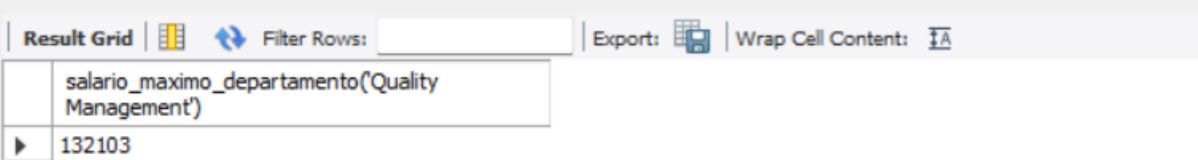


The screenshot shows a SQL query execution interface. At the top, the query `select salario_maximo_departamento('Development');` is entered. Below the query, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is selected, and a table with one row is displayed. The table has two columns: the first column contains the query text `salario_maximo_departamento('Development')`, and the second column contains the value `144434`.

salario_maximo_departamento('Development')
144434

Ejecución de la función con el sexto departamento:

```
620 • select salario_maximo_departamento('Quality Management');
621
```

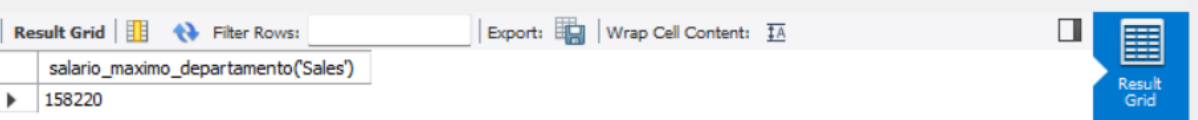


The screenshot shows a SQL query execution interface. At the top, the query `select salario_maximo_departamento('Quality Management');` is entered. Below the query, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is selected, and a table with one row is displayed. The table has two columns: the first column contains the query text `salario_maximo_departamento('Quality Management')`, and the second column contains the value `132103`.

salario_maximo_departamento('Quality Management')
132103

Ejecución de la función con el séptimo departamento:

```
620 • select salario_maximo_departamento('Sales');
621
```



The screenshot shows a SQL query execution interface. At the top, the query `select salario_maximo_departamento('Sales');` is entered. Below the query, there is a toolbar with options like 'Result Grid', 'Filter Rows', 'Export', and 'Wrap Cell Content'. The 'Result Grid' is selected, and a table with one row is displayed. The table has two columns: the first column contains the query text `salario_maximo_departamento('Sales')`, and the second column contains the value `158220`. A blue 'Result Grid' button is visible on the right side of the interface.

salario_maximo_departamento('Sales')
158220

Ejecución de la función con el octavo departamento:

```
620 • select salario_maximo_departamento('Research');
621
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
salario_maximo_departamento('Research')			
▶ 130211			

Result Grid

Ejecución de la función con el noveno departamento

```
620 • select salario_maximo_departamento('Customer Service');
621
```

Result Grid	Filter Rows:	Export:	Wrap Cell Content:
salario_maximo_departamento('Customer Service')			
▶ 144866			

Result Grid