



```
-- To get the highest salary from each department in a company
SELECT department, MAX(salary) AS max_salary
FROM employees
GROUP BY department
QUALIFY ROW_NUMBER() OVER(PARTITION BY department ORDER BY
MAX(salary) DESC) = 1;
```



```
SELECT APPROX_COUNT_DISTINCT(x) as approx_distinct  
FROM UNNEST([0, 1, 1, 2, 3, 5]) as x;
```

```
/*-----*  
| approx_distinct |  
+-----+  
| 5               |  
*-----*/
```



```
SELECT AVG(x) as avg  
FROM UNNEST([0, 2, 4, 4, 5]) as x;
```

```
/*-----*  
|  avg  |  
+-----+  
|  3    |  
*-----*/
```



-- Constructs a geography from a textual representation

```
SELECT ST_GEOGFROMTEXT('POINT(1 2)');
```

-- Constructs a geographic point from the specified float values for longitude and latitude.

```
SELECT ST_GEOGPOINT(-122.082, 37.421);
```

-- Returns the shortest distance between two geographies in meters.

```
SELECT ST_DISTANCE(ST_GEOGPOINT(-122.082, 37.421),  
ST_GEOGPOINT(-74.006, 40.7128));
```



```
SELECT SAFE_CAST("apple" AS INT64) AS not_a_number;
```

```
/*-----*  
| not_a_number |  
+-----+  
| NULL        |  
*-----*/
```