

Built-in Functions in Hive

- The size() function can be used to find the number of elements in a map or array -
 - **select size(name) from emp limit 1;**
 - **select size(dept_history) from emp limit 10;**
- If you want to find out the keys in a map collection, then use the map_keys() function -
 - **select map_keys(name) from emp limit 1;**
- If you want to view the values from a map, then use the map_values() function -
 - **select map_values(name) from emp limit 1;**
- If you want to find out whether an element is present in an array collection or not -
 - **select dept_history, array_contains(dept_history, "d005") from emp limit 10;**
- Then we have the regular string function. For example we want to concatenate the first name and last name of employee -
 - **select concat(name['first_name'], ' ', name['last_name']) from emp limit 5;**
- For example, we want to extract first 3 character from an employee's name -
 - **select substr(name['first_name'], 0,3) Code from emp limit 10;**
- Then we also have the conditional statement in Hive. For ex we want to print the salutation for each employee based on their gender -
 - **select name,**

case

when info.gender='M' then 'Mr.'

when info.gender='F' then 'Ms.'

end Salutation

from emp limit 10;

- A complete list of functions can be found here -

<https://cwiki.apache.org/confluence/display/Hive/LanguageManual+UDF>