**How to find first value from any table in SQL Server**

We could use FIRST\_VALUE() in [SQL Server](https://www.geeksforgeeks.org/introduction-of-ms-sql-server/) to find the first value from any table. **FIRST\_VALUE()**function used in SQL server is a type of window function that results in the first value in an ordered partition of the given data set.

**Syntax :**

SELECT \*,

FROM tablename;

**FIRST\_VALUE ( scalar\_value )**

**OVER (**

**[PARTITION BY partition\_value ]**

**ORDER BY sort\_value [ASC | DESC]**

**)** AS columnname ;

**Syntax descriptions :**

* **scalar\_value –** scalar\_value is a value examined over the value of the first row in an ordered partition of the provided data set.
* **PARTITION BY –** PARTITION BY is optional, it differs the rows of the provided data set into the partitions where the FIRST\_VALUE() function is used.
* **ORDER BY –** ORDER BY states the order of the rows in each of the  partition where the  FIRST\_VALUE()function is used.

**Examples :**

Let us suppose we have a table named ‘geek\_demo’:

SELECT TOP 1000 [Name]

,[City], [Year]

FROM [geek\_demo];

| Name | City | Year |
| --- | --- | --- |
| Ankit | Delhi | 2019 |
| Babita | Noida | 2017 |
| Chetan | Noida | 2018 |
| Deepak | Delhi | 2018 |
| Isha | Delhi | 2019 |
| Khushi | Noida | 2019 |
| Megha | Noida | 2017 |
| Parul | Noida | 2017 |

**Example-1 :**

**Find FIRST VALUE without PARTITION BY clause.**

To find the first city for the table ‘geek-demo’ use below query:

SELECT [Name], [Year],

FIRST\_VALUE(City) OVER (

ORDER BY City ASC

) AS First\_City

FROM geek\_demo;

**Output :**

| Name | Year | First\_City |
| --- | --- | --- |
| Babita | 2017 | Noida |
| Chetan | 2018 | Noida |
| Khushi | 2019 | Noida |
| Megha | 2017 | Noida |
| Parul | 2017 | Noida |
| Deepak | 2018 | Delhi |
| Isha | 2019 | Delhi |
| Ankit | 2019 | Delhi |

**Example-2 :**

**Find FIRST VALUE with PARTITION BY clause.**

To find the first city according to the year for the table ‘geek-demo’ use below query:

SELECT TOP 1000 [Name] , [Year] ,

FIRST\_VALUE(City) OVER (

PARTITION BY Year

ORDER BY City ASC

) AS First\_City

FROM geek\_demo;

**Output :**

| Name | Year | First\_City |
| --- | --- | --- |
| Babita | 2017 | Noida |
| Megha | 2017 | Noida |
| Parul | 2017 | Noida |
| Deepak | 2018 | Delhi |
| Chetan | 2018 | Delhi |
| Isha | 2019 | Delhi |
| Ankit | 2019 | Delhi |
| Khushi | 2019 | Delhi |