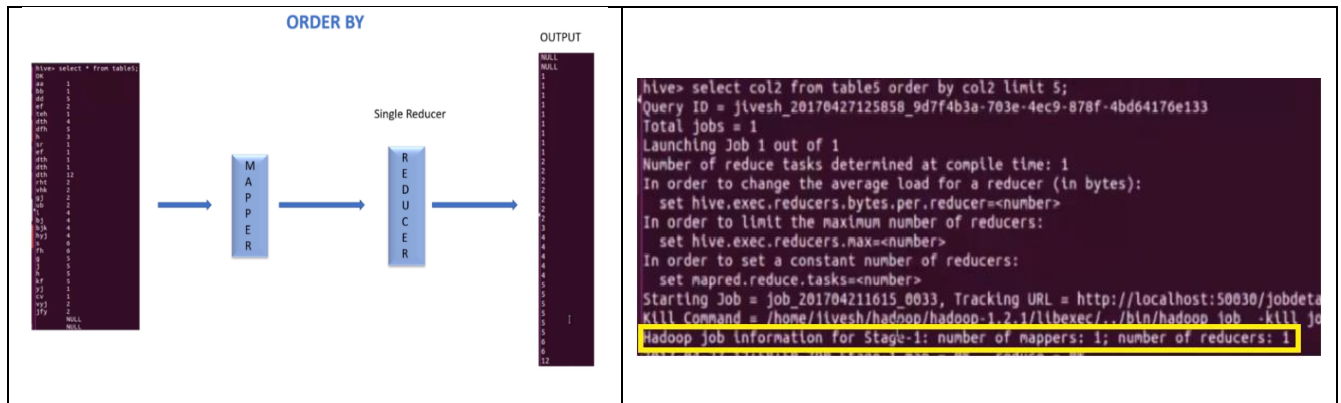


Order By Clause:

- Single Reducer
- In strict mode – order by clause need to follow by limit clause:

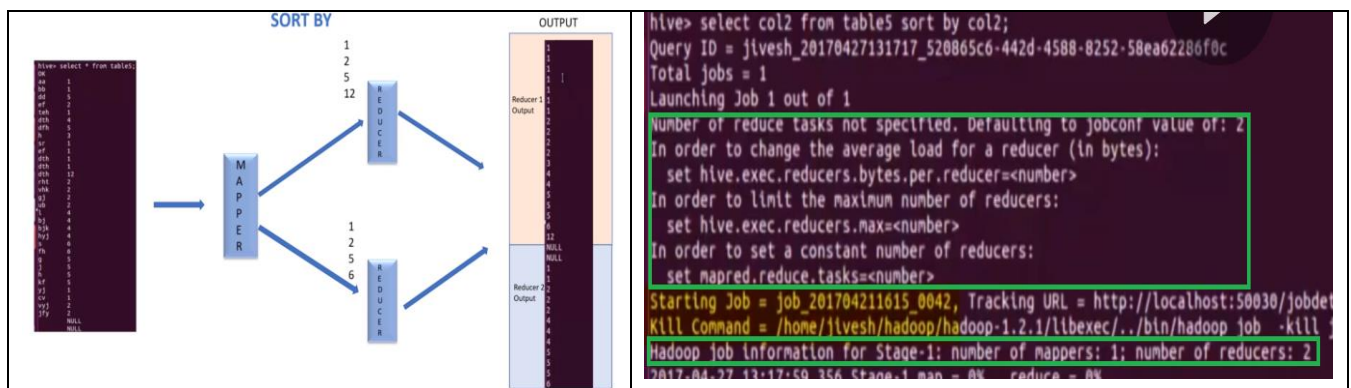
select col2 from sampleTable order by col2 , limit 10;



Sort By Clause:

- More than one reducer
- Sort by does sorting within a reducer.
- Doesn't guarantee full sorting of data

select col2 from sampleTable sort by col2 ;



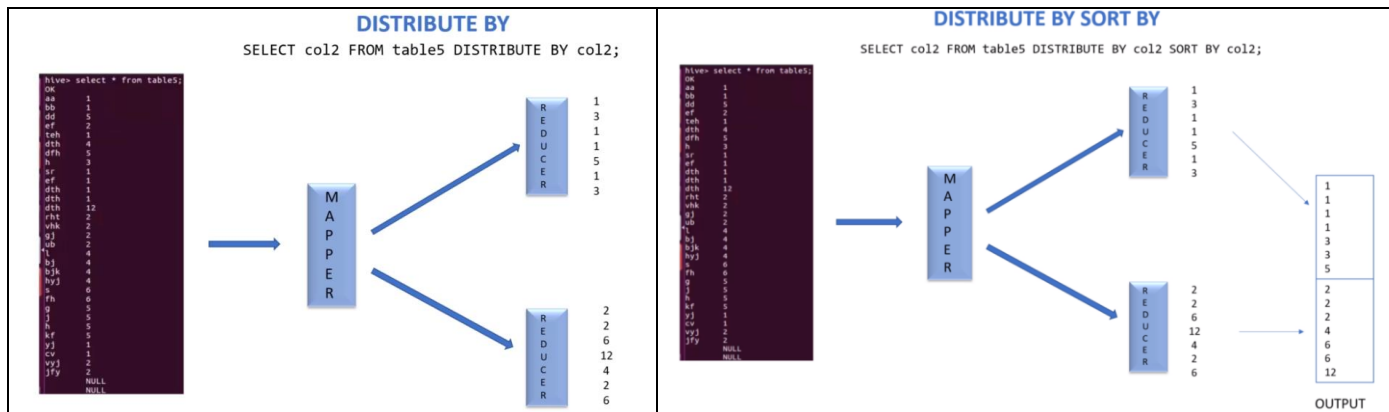
Distribute By Clause:

- This clause decides which key will go to which reducer. It ensures all rows with same key will go to same reducers.

`select col2 from sampleTable distribute by col2 ;`

- Distribute by won't do any sorting.
- To do sorting we need use distribute by sort by

`select col2 from sampleTable distribute by col2 sort by col2 ;`



Cluster By clause:

- Cluster by = distributed by + sort by

`select col2 from sampleTable clustered by col2 ;`

