Reading Records in Hive

- Read complete record -

    - **select * from emp limit 1;**

- Reading map column -

    - **select name['first_name'] from emp limit 1;**

    - Reading with an alias

        - **select name['first_name'] Name from emp limit 1;**

- Reading struct column -

    - Reading a specific field within struct -

        - **select job.hire_date from emp limit 1;**

        - Using the dot operator we can read fields of a struct column.

    - Reading multiple fields from struct column -

        - **select job.hire_date, job.dept_name from emp limit 1;**

- Reading array column -

    - Reading a specific value from array -

        - **select dept_history[0], dept_history[1] from emp limit 10;**

- Hive can optimize the query execution with simple jobs that can be performed on a single machine. When this happens, Hive actually runs the job in Hadoop's local mode.

- Following runs a mapreduce job -

    - **select count(*) from emp;**