**HIVE (HQL) Commands**

**Q1: How to enter the HIVE Shell?**

Go to the Terminal and type hive, you will see the hive on the prompt.

[cloudera@quickstart Desktop]$ hive

**Q2: Create a database**

create database emp\_details;

use emp\_details;

**Q3: How to create Managed Table in HIVE?**

create table emp(empno int, ename string, job string, sal int, deptno int)

row format delimited fields terminated by ',';

**Q4: How to load the data from LOCAL to HIVE TABLE**

Suppose you created a comma separated file in local system named empdetails.txt

**1,A,clerk,4000,10**

**2,A,clerk,4000,30**

**3,B,mgr,8000,20**

**4,C,peon,2000,40**

**5,D,clerk,4000,10**

**6,E,mgr,8000,50**

hive> LOAD DATA LOCAL INPATH

'/home/cloudera/Desktop/empdetails.txt' OVERWRITE INTO TABLE emp;

**# Note:** If 'LOCAL' is omitted then it looks for the file in HDFS.

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The keyword 'OVERWRITE' signifies that existing data in the table is deleted. If the 'OVERWRITE' keyword is omitted, data files are appended to existing data sets.

**Q5: How to check where the managed table is created in hive** db

[cloudera@quickstart Desktop]$ hadoop fs -ls /user/hive/warehouse/emp\_details.db

Found 2 items

drwxrwxrwx - cloudera supergroup 0 2018-07-24 02:40 /user/hive/warehouse/emp\_details.db/emp

drwxrwxrwx - cloudera supergroup 0 2018-07-24 02:28 /user/hive/warehouse/emp\_details.db/emp1

**Also check the contents inside emp:**

[cloudera@quickstart Desktop]$ hadoop fs -ls

/user/hive/warehouse/emp\_details.db/emp

Found 1 items

-rwxrwxrwx 1 cloudera supergroup 104 2018-07-24 02:40 /user/hive/warehouse/emp\_details.db/emp/empdetails.txt

**Now see the contents inside empdetails.txt**

[cloudera@quickstart Desktop]$ hadoop fs -cat /user/hive/warehouse/emp\_details.db/emp/empdetails.txt

1,A,clerk,4000,10

2,A,clerk,4000,30

3,B,mgr,8000,20

4,C,peon,2000,40

5,D,clerk,4000,10

6,E,mgr,8000,50

**Q6:Check the schema of the created table emp?**

describe emp;

For a detailed schema use:

describe extended emp;

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**Q7: How to see all the tables present in database**

show tables;

**Q8: Select all the enames from emp table**

select ename from emp;

**Q9: Get the records where name is 'A'**

select \* from emp where ename='A';

**Q10: Count the total number of records in the created table**

Count aggregate function is used count the total number of the records in a table.

select count(1) from emp;

OR

Select count(\*) from emp;

**Q11: Group the sum of salaries as per the deptno** select deptno, sum(sal) from emp group by deptno;

**Q12: Get the salary of people between 1000 and 2000**

select \* from emp where sal between 1000 and 2000;

**Q13: Select the name of employees where job has exactly 5 characters**

hive> select ename from emp where job LIKE '\_\_\_\_\_';

**Q14: List the employee names where job has l as the second character**

hive> select ename from emp where job LIKE '\_l%';

**Q15: Retrieve the total salary for each department** select deptno, sum(sal) from emp group by deptno;

**Q16: Add a column to the table**

alter table emp add COLUMNS(lastname string);

**Q17: How to Rename a table**

alter table emp rename to emp1;

**18: How to drop table**

drop table emp;