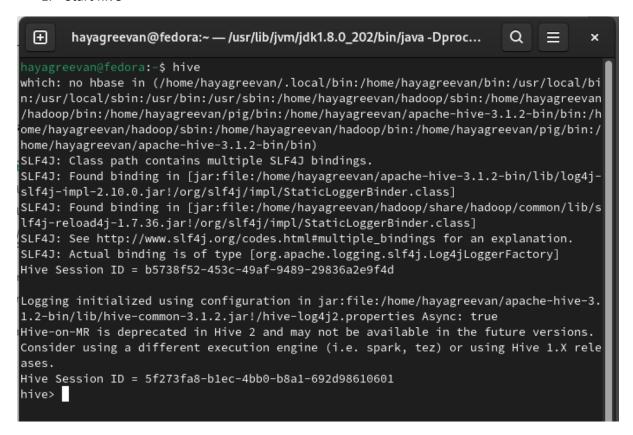
Exp. No : 5a

Designing and testing various schema models to optimize data storage and retrieval using Hive.

1. Start hive



2. CREATE DATABASE financials in hive

```
hive> CREATE DATABASE financials;
OK
Time taken: 8.319 seconds
```

3. Use financials database in hive

```
hive> use financials;
OK
Time taken: 0.591 seconds
```

4. Create Finance table table in hive

```
hive> CREATE TABLE finance_table( id INT, name STRING );
OK
Time taken: 7.98 seconds
```

5. Insert records in finance table table

6. Creating new VIEW named myview for finance_table

```
hive> CREATE VIEW myview AS SELECT name, id FROM finance_table;
OK
Time taken: 1.849 seconds
```

7. Display myview.

```
hive> SELECT * FROM myview;
OK
Alice 1
Bob 2
Charlie 3
Time taken: 4.11 seconds, Fetched: 3 row(s)
```

8. Describing finance_table structure.

```
hive> DESCRIBE finance_table;

OK

id int

name string

Time taken: 0.447 seconds, Fetched: 2 row(s)
```

9. Add new age column to Finance_table

```
hive> ALTER TABLE finance_table ADD COLUMNS (age INT);
OK
Time taken: 1.46 seconds
```