EXP NO: 5   **INSTALLATION OF HIVE**

$wget https://archive.apache.org/dist/hive/hive-3.1.2/apache-hive-3.1.2-bin.tar.gz

$tar xvzf apache-hive-3.1.2-bin.tar.gz

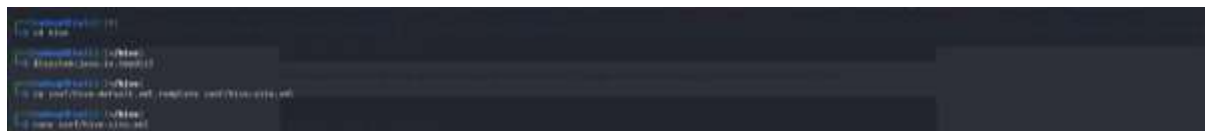**$mv apache-hive-3.1.2-bin hive**

$nano ~/.bashrc

$source ~/.bashrc

$cd hive

$cp conf/hive-default.xml.template conf/hive-site.xml

$nano conf/hive-site.xml

$start-all.sh

$ jps

$hdfs dfs -mkdir /user

$hdfs dfs -mkdir /user/hive

$hdfs dfs -mkdir /user/hive/warehouse

$hdfs dfs -mkdir /user/tmp

$hdfs dfs -chmod g+w /user/tmp

$hdfs dfs -chmod g+w /user/hive/warehouse

$cd $HIVE_HOME/bin

$schematool -initSchema –dbType derby

$hive

>show databases;

> CREATE DATABASE financials;

```
hive> CREATE DATABASE financials;
OK
Time taken: 0.591 seconds
```

> use financials;

```
hive> use financials;
OK
Time taken: 0.229 seconds
```

> CREATE TABLE finance_table(id INT, name STRING);

```
hive> CREATE TABLE finance_table( id INT, name STRING );
OK
Time taken: 2.536 seconds
```

> INSERT INTO finance_tableVALUES (1, 'Alice'), (2, 'Bob'), (3, 'Charlie');

> CREATE VIEW myview AS SELECT name, id FROM finance_table;

```
hive> CREATE VIEW myview AS SELECT name, id FROM finance_table;
OK
Time taken: 0.82 seconds
```

> SELECT * FROM myview;

```
hive> SELECT * FROM myview;
OK
Alice   1
Bob     2
Charlie 3
Time taken: 0.716 seconds, Fetched: 3 row(s)
hive>
```

> DESCRIBE finance_table;

```
hive> DESCRIBE finance_table;
OK
id                      int
name                    string
Time taken: 0.348 seconds, Fetched: 2 row(s)
```

> ALTER TABLE finance_table ADD COLUMNS (age INT);

>quit;

```
hive> ALTER TABLE finance_table ADD COLUMNS (age INT);
OK
Time taken: 0.457 seconds
hive> quit;
```