HIVE INSTALLATION

1. Download Hive

Step 1: First, download the Hive 3.1.2 from this **link.**
Step 2: Locate the apache-hive-3.1.2-bin.tar.gz file in your system.
Step 3: Extract this tar file using the below command:

```
tar -xzf apache-hive-3.1.2-bin.tar.gz
```

2. Configuring Hive files

Step 4: Now, we have to place the Hive PATH in .bashrc file. For this, open. bashrc file in the nano editor and add the following in the .bashrc file.

```
export HIVE_HOME= "home/dataflair/apache-hive-3.1.2-bin"
export PATH=$PATH:$HIVE_HOME/bin
```

Step 5: Open the **core-site.xml** file in the nano editor. The file is located in **home/hadoop-3.1.2/etc/hadoop/** (Hadoop Configuration Directory).

Step 6: Make a directory 'tmp' in HDFS using the below command:

```
hadoop fs -mkdir /tmp
```

Step 7: Use the below commands to create a directory 'warehouse' inside 'hive' directory, which resides in 'user' directory. The warehouse is the location to store data or tables related to Hive.

```
hadoop fs -mkdir /user
hadoop fs -mkdir /user/hive
hadoop fs -mkdir /user/hive/warehouse
```

Step 8: Give the write permission to the members of the 'tmp' file group using command:

```
hadoop fs -chmod g+w /tmp
```

Step 9: Now give write permission to the warehouse directory using the command:

```
hadoop fs -chmod g+w /user/hive/warehouse
```

3. Initialize Derby database

Step 9: Hive by default uses **Derby database**. Use the below command to initialize the Derby database.

```
bin/schematool -dbType derby -initSchema
```

4. Launching Hive

Step 10: Now start the HiveServer2 using the below command:

```
bin/hiveserver2
```

Step 11: On the **different tab**, type the below command to launch the beeline command shell.

```
bin/beeline -n dataflair -u jdbc:hive2://localhost:10000
```