## Лабораторная работа №4

- d) Создайте таблицу iris\_data
- e) Загрузите данные из файла iris.data (ссылка на данные) в созданную таблицу iris\_data

```
hive> CREATE TABLE IF NOT EXISTS iris data (sepal length DECIMAL(10, 2), sepal width DECIMAL(10, 2), pet
al length DECIMAL(10, 2), petal width DECIMAL(10, 2), target names STRING) row format delimited fields t
erminated by ',' stored as text file;
FAILED: ParseException line 1:234 extraneous input 'file' expecting EOF near '<EOF>'
hive> CREATE TABLE IF NOT EXISTS iris data (sepal length DECIMAL(10, 2), sepal width DECIMAL(10, 2), pet
al length DECIMAL(10, 2), petal width DECIMAL(10, 2), target names STRING) ROW FORMAT DELIMITED FIELDS T
ERMINATED BY ',' STORED AS TEXTFILE;
oκ
Time taken: 0.036 seconds
hive> LOAD DATA LOCAL INPATH 'iris.data' OVERWRITE INTO TABLE iris data;
Loading data to table pavlov.iris data
Time taken: 0.093 seconds
hive> SELECT * FROM iris data limit 5;
5.10
        3.50
                1.40
                        0.20
                                Iris-setosa
4.90
        3.00
                1.40
                        0.20
                                Iris-setosa
        3.20
                1.30
                        0.20
4.70
                                Iris-setosa
4.60
        3.10
                1.50
                        0.20
                                Iris-setosa
5.00
                        0.20
        3.60
                1.40
                                Iris-setosa
Time taken: 0.068 seconds, Fetched: 5 row(s)
```

f) Выполните следующие SQL выражения

```
hive> SELECT DISTINCT target names FROM iris data ORDER BY target names;
   Query ID = pavlov 20230801211727 7c09aled-aa31-4b13-88a1-676d729666f3
   Total jobs = 1
   Launching Job 1 out of 1
   In order to change the average load for a reducer (in bytes):
     set hive.exec.reducers.bytes.per.reducer=<number>
   In order to limit the maximum number of reducers:
     set hive.exec.reducers.max=<number>
In order to set a constant number of reducers:
     set mapreduce.job.reduces=<number>
<u>-----</u>
   Running with YARN Application = application 1690901753071 0011
   Kill Command = /usr/lib/hadoop/bin/yarn application -kill application 1690901753071 0011
Hive on Spark Session Web UI URL: http://vm-dlake2-s-1.test.local:43342
   Query Hive on Spark job[0] stages: [0, 1, 2]
   Spark job[0] status = RUNNING
.⊚
             STAGES ATTEMPT STATUS TOTAL COMPLETED RUNNING PENDING FAILED
   Stage-0 ...... 0 FINISHED 1
                                                                                     0

      Stage-1 .....
      0
      FINISHED
      1
      1
      0

      Stage-2 .....
      0
      FINISHED
      1
      1
      0

                                                                                     0
    Spark job[0] finished successfully in 4.04 second(s)
   Iris-setosa
   Iris-versicolor
   Iris-virginica
   Time taken: 17.474 seconds, Fetched: 3 row(s)
   hive>
```

## о Найти среднее по первому атрибуту данных файла, используя SQL запрос



