

ssh student3\_10@37.139.32.56

<http://10.0.0.7:8088/cluster>

```
create table v_parquet stored as parquet as select * from vehicles;
```

```
Файл    Правка    Вид    Терминал    Вкладки    Справка

INFO : HIVE:
INFO :   CREATED FILES: 1
INFO :   RECORDS OUT 0: 1
INFO :   RECORDS_OUT_INTERMEDIATE_Reducer_2: 0
INFO :   RECORDS_OUT_OPERATOR_FS_12: 1
INFO :   RECORDS_OUT_OPERATOR_GBY_10: 1
INFO : TaskCounter_Reducer_2_INPUT_Map_1:
INFO :   INPUT_RECORDS_PROCESSED: 0
INFO :   SHUFFLE_BYTES_DECOMPRESSED: 0
INFO : TaskCounter_Reducer_2_OUTPUT_out_Reducer_2:
INFO :   OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive.ql.exec.tez.HiveInputCounters:
INFO :   GROUPED_INPUT_SPLITS_Map_1: 0
INFO :   INPUT_DIRECTORIES_Map_1: 0
INFO :   INPUT_FILES_Map_1: 0
INFO :   RAW_INPUT_SPLITS_Map_1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210419144234_5354aac6-264e-4408-bd6e-31eldale5916); Time taken: 72.878 seconds
INFO : OK
No row affected (73,258 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

```
select * from v_parquet;
```

```
hdfs dfs -ls /user/hive
```

```
hdfs dfs -ls /user/hive/warehouse
```

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  
  
igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56  
Last login: Mon Apr 19 14:37:00 2021 from 109-252-26-235.nat.spd-mgts.ru  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive  
Found 4 items  
drwxr-xr-x - hive hdfs 0 2021-04-12 11:08 /user/hive/  
drwx----- - hive hdfs 0 2021-04-19 00:00 /user/hive/.Trash  
drwxr-xr-x - hive hdfs 0 2021-04-02 17:27 /user/hive/.hiveJars  
drwxr-xr-x - hive hdfs 0 2021-04-09 09:24 /user/hive/warehouse  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive/warehouse  
Found 2 items  
drwxr-xr-x - hive hdfs 0 2021-04-10 12:21 /user/hive/warehouse/happiness.db  
drwxr-xr-x - hive hdfs 0 2021-04-14 06:53 /user/hive/warehouse/lesson4.db  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ █
```

```
select * from v_parquet limit 10;
```

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ - x
Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
INFO : Executing command(queryId=hive_20210419145022_03784fcf-5f86-46e5-8b0e-794847eabb53): select * from v_parquet
INFO : Completed executing command(queryId=hive_20210419145022_03784fcf-5f86-46e5-8b0e-794847eabb53); Time taken: 0.002 seconds
INFO : OK
+-----+-----+-----+-----+-----+-----+-----+
| v_parquet.rid | v_parquet.id | v_parquet.url | v_parquet.region | v_parquet.region_url | v_parquet.price | v_parquet.year |
| v_parquet.manufacturer | v_parquet.model | v_parquet.condition | v_parquet.cylinders | v_parquet.fuel | v_parquet.odometer | v_parquet.title_status |
| v_parquet.transmission | v_parquet.vin | v_parquet.drive | v_parquet.size | v_parquet.type | v_parquet.paint_color | v_parquet.image_url |
| v_parquet.description | v_parquet.state | v_parquet.last | v_parquet.long | v_parquet.posting_date | v_parquet.p_date |
+-----+-----+-----+-----+-----+-----+-----+
No rows selected (0.287 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> select * from v_parquet limit 10;

```

hdfs dfs -ls

hdfs dfs -ls test

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ - x
Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
drwx----- - hive hdfs 0 2021-04-19 00:00 /user/hive/.Trash
drwxr-xr-x - hive hdfs 0 2021-04-02 17:27 /user/hive/hiveJars
drwxr-xr-x - hive hdfs 0 2021-04-09 09:24 /user/hive/warehouse
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive/warehouse
Found 2 items
drwxr-xr-x - hive hdfs 0 2021-04-10 12:21 /user/hive/warehouse/happiness.db
drwxr-xr-x - hive hdfs 0 2021-04-14 06:53 /user/hive/warehouse/lesson4.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive/warehouse/lesson4.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls
Found 4 items
drwx----- - student3_10 student3_10 0 2021-04-19 13:04 .Trash
drwx----- - student3_10 student3_10 0 2021-04-17 18:00 .staging
drwxrwxrwx - student3_10 student3_10 0 2021-04-15 19:19 lesson
drwxrwxrwx - student3_10 student3_10 0 2021-04-19 13:04 test
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls test
Found 1 items
drwxr-xr-x - student3_10 student3_10 0 2021-04-18 19:20 test/p_date=1204
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ █

```

hdfs dfs -ls test/p\_date=1204

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ - x
Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive/warehouse
Found 2 items
drwxr-xr-x - hive hdfs 0 2021-04-18 12:21 /user/hive/warehouse/happiness.db
drwxr-xr-x - hive hdfs 0 2021-04-14 06:53 /user/hive/warehouse/lesson4.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive/warehouse/lesson4.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls
Found 4 items
drwx----- - student3_10 student3_10 0 2021-04-19 13:04 .Trash
drwx----- - student3_10 student3_10 0 2021-04-17 18:00 .staging
drwxrwxrwx - student3_10 student3_10 0 2021-04-15 19:19 lesson
drwxrwxrwx - student3_10 student3_10 0 2021-04-19 13:04 test
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls test
Found 1 items
drwxr-xr-x - student3_10 student3_10 0 2021-04-18 19:20 test/p_date=1204
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls test/p_date=1204
Found 1 items
-rw-rw-rw- 2 student3_10 student3_10 346353924 2021-04-15 17:36 test/p_date=1204/vehicles.csv
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ █

```

hdfs dfs -mkdir v\_parquet

drop table v\_parquet;

```
create table v_parquet stored as parquet as select * from vehicles;  
hdfs dfs -rm -r v_parquet
```

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive/warehouse/lesson4.db  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls  
Found 4 items  
drwx----- . student3_10 student3_10 0 2021-04-19 13:04 .Trash  
drwx----- . student3_10 student3_10 0 2021-04-17 18:00 .staging  
drwxrwxrwx . student3_10 student3_10 0 2021-04-15 19:19 lesson  
drwxrwxrwx . student3_10 student3_10 0 2021-04-19 13:04 test  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls test  
Found 1 items  
drwxr-xr-x . student3_10 student3_10 0 2021-04-18 19:20 test/p_date=1204  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls test/p_date=1204  
Found 1 items  
-rw-rw-rw- 2 student3_10 student3_10 346353924 2021-04-15 17:36 test/p_date=1204/vehicles.csv  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -mkdir v_parquet  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ drop table v_parquet;  
-bash: drop: команда не найдена  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -rm -r v_parquet  
21/04/19 15:16:08 INFO fs.TrashPolicyDefault: Moved: 'hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/v_parquet' to trash at: hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/.Trash/Current/user/student3_10/v_parquet  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$
```

```
create table v_parquet stored as parquet location "/user/student3_10/v_parquet" as select * from vehicles;
```

```
Файл Правка Вид Терминал Вкладки Справка

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

INFO : Executing command(queryId=hive_20210419151340_82aba308-6b26-4408-85fb-e94fc04ff7ed): drop table v_parquet
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210419151340_82aba308-6b26-4408-85fb-e94fc04ff7ed); Time taken: 0.192 seconds
INFO : OK
No rows affected (0,3 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create table v_parquet
. . . . . > stored as parquet
. . . . . > location "/user/student3_10/v_parquet"
. . . . . > as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException 0:0 Error creating temporary folder on: /user/student3_10/v_parquet. Error encountered near token 'TOK_TMP_FILE' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create table v_parquet
. . . . . > stored as parquet
. . . . . > location "/user/student3_10/v_parquet"
. . . . . > as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException 0:0 Error creating temporary folder on: /user/student3_10/v_parquet. Error encountered near token 'TOK_TMP_FILE' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create table v_parquet stored as parquet location "/user/student3_10/v_parquet" as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException 0:0 Error creating temporary folder on: /user/student3_10/v_parquet. Error encountered near token 'TOK_TMP_FILE' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>
```

```
hdfs dfs -ls /
```

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

Файл Правка Вид Терминал Вкладки Справка

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~$ bash: drop: команда не найдена
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -rm -r v_parquet
21/04/19 15:16:08 INFO fs.TrashPolicyDefault: Moved: 'hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/v_parquet' to trash at: hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/user/student3_10/.Trash/Current/user/student3_10/v_parquet
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /
Found 14 items
drwxrwxrwt - yarn    hadoop          0 2021-04-18 06:01 /app-logs
drwxr-xr-x - hdfs   hdfs           0 2021-03-25 08:38 /apps
drwxr-xr-x - yarn    hadoop          0 2021-03-20 14:24 /ats
drwxr-xr-x - hdfs   hdfs           0 2021-03-20 14:25 /atsv2
drwxrwxrwx - hdfs   hdfs           0 2021-04-16 09:56 /datasets
drwxr-xr-x - hdfs   hdfs           0 2021-03-20 14:24 /hdp
drwxr----- - livy    hdfs           0 2021-03-20 14:31 /livy2-recovery
drwxr-xr-x - mapred  hdfs           0 2021-03-20 14:24 /mapred
drwxrwxrwx - mapred  hadoop          0 2021-03-31 21:30 /mr-history
drwxrwxrwx - spark   hadoop          0 2021-04-19 15:23 /spark2-history
drwxr-xr-x - hdfs   hdfs           0 2021-04-14 16:00 /system
drwxrwxrwx - hdfs   hdfs           0 2021-04-17 14:36 /tmp
drwxr-xr-x - hdfs   hdfs           0 2021-04-17 11:13 /user
drwxr-xr-x - hdfs   hdfs           0 2021-04-02 08:21 /warehouse
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$

```

`create table student3_10.parquet_test (id int, str string) stored as parquet;`

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

Файл Правка Вид Терминал Вкладки Справка

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210419153654_02b198e4-e026-494d-827b-482fe3c51d30); Time taken: 0.006 seconds
INFO : Executing command(queryId=hive_20210419153654_02b198e4-e026-494d-827b-482fe3c51d30): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210419153654_02b198e4-e026-494d-827b-482fe3c51d30); Time taken: 0.019 seconds
INFO : OK
No rows affected (0,145 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create table student3_10.parquet_test (id int, str string) stored as parquet;
INFO : Compiling command(queryId=hive_20210419153917_948274ad-5e50-478d-8f4f-fbed4be2f81d): create table student3_10.parquet_test (id int, str string) stored as parquet
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldSchemas:null, properties:null)
INFO : Completed compiling command(queryId=hive_20210419153917_948274ad-5e50-478d-8f4f-fbed4be2f81d); Time taken: 0.02 seconds
INFO : Executing command(queryId=hive_20210419153917_948274ad-5e50-478d-8f4f-fbed4be2f81d): create table student3_10.parquet_test (id int, str string) stored as parquet
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210419153917_948274ad-5e50-478d-8f4f-fbed4be2f81d); Time taken: 0.055 seconds
INFO : OK
No rows affected (0,126 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 
```

`insert into student3_10.parquet_test select 1 as id, "myText" as str;`

`create table v_parquet stored as parquet location "/user/student3_10/v_parquet" as select * from vehicles;`

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

Файл Правка Вид Терминал Вкладки Справка

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

INFO : RECORDS_OUT_OPERATOR_GBY_10: 1
INFO : TaskCounter Reducer_2 INPUT_Map_1:
INFO : INPUT_RECORDS_PROCESSED: 0
INFO : SHUFFLE_BYTES_DECOMPRESSED: 0
INFO : TaskCounter Reducer_2_OUTPUT_out_Reducer_2:
INFO : OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive.ql.exec.tez.HiveInputCounters:
INFO : GROUPED_INPUT_SPLITS_Map_1: 0
INFO : INPUT_DIRECTORIES_Map_1: 0
INFO : INPUT_FILES_Map_1: 0
INFO : RAW_INPUT_SPLITS_Map_1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210419180658_0d965759-b922-40d7-b2df-0f8ea5c20088); Time taken: 735.831 seconds
INFO : OK
No rows affected (736,163 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 
```

```

igor@igor-MS-7808:~$ ssh student3_10@103.19.32.56
Last login: Mon Apr 19 17:54:19 2021 from 109-252-26-235.nat.spd-mgts.ru
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -rm -r v_parquet
rm: `v_parquet': No such file or directory
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive
Found 4 items
drwxr-xr-x  - hive hdfs          0 2021-04-12 11:08 /user/hive/
drwx-----  - hive hdfs          0 2021-04-19 18:00 /user/hive/.Trash
drwxr-xr-x  - hive hdfs          0 2021-04-02 17:27 /user/hive/.hiveJars
drwxr-xr-x  - hive hdfs          0 2021-04-09 09:24 /user/hive/warehouse
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive/warehouse
Found 2 items
drwxr-xr-x  - hive hdfs          0 2021-04-10 12:21 /user/hive/warehouse/happiness.db
drwxr-xr-x  - hive hdfs          0 2021-04-14 06:53 /user/hive/warehouse/lesson4.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ■

```

create external table v\_parquet stored as parquet location "/user/student3\_10/v\_parquet" as select \* from vehicles;

```

21/04/19 18:44:22 [main]: INFO jdbc.HiveConnection: Connected to bigdataanalytics2-head-shdpt-v31-1-0.novalocal:10000
Connected to: Apache Hive (version 3.1.0.3.1.4.0-315)
Driver: Hive JDBC (version 3.1.0.3.1.4.0-315)
Transaction isolation: TRANSACTION_REPEATABLE_READ
Beeline version 3.1.0.3.1.4.0-315 by Apache Hive
0: jdbc:hive2://bigdataanalytics2-worker-shdp> use student3_10;
INFO : Compiling command(queryId=hive_20210419184438_d32d2e7e-43bf-49f5-bee0-9c8a907f3c69): use student3_10
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: SchemaFieldSchemas:null, properties:null
INFO : Completed compiling command(queryId=hive_20210419184438_d32d2e7e-43bf-49f5-bee0-9c8a907f3c69); Time taken: 0.013 seconds
INFO : Executing command(queryId=hive_20210419184438_d32d2e7e-43bf-49f5-bee0-9c8a907f3c69): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210419184438_d32d2e7e-43bf-49f5-bee0-9c8a907f3c69); Time taken: 0.009 seconds
INFO : OK
No rows affected (0,16 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create external table v_parquet stored as parquet location "/user/student3_10/v_parquet" as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException org.apache.hadoop.hive.ql.parse.SemanticException: Table already exists: student3_10.v_parquet (state=42000, code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> ■

```

drop table v\_parquet;

```

INFO : Executing command(queryId=hive_20210419184438_d32d2e7e-43bf-49f5-bee0-9c8a907f3c69): use student3_10
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210419184438_d32d2e7e-43bf-49f5-bee0-9c8a907f3c69); Time taken: 0.009 seconds
INFO : OK
No rows affected (0,16 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create external table v_parquet stored as parquet location "/user/student3_10/v_parquet" as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException org.apache.hadoop.hive.ql.parse.SemanticException: Table already exists: student3_10.v_parquet (state=42000, code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> drop table v_parquet;
INFO : Compiling command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd): drop table v_parquet
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: SchemaFieldSchemas:null, properties:null
INFO : Completed compiling command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd); Time taken: 0.031 seconds
INFO : Executing command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd): drop table v_parquet
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd); Time taken: 0.158 seconds
INFO : OK
No rows affected (0,236 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> ■

```

create external table v\_parquet stored as parquet location "/user/student3\_10/v\_parquet" as select \* from vehicles;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ - x
Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~

INFO : OK
No rows affected (0,16 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> create external table v_parquet stored as parquet location "/user/student3_10/v_parquet" as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException org.apache.hadoop.hive.ql.parse.SemanticException: Table already exists: student3_10.v_parquet (state=42000, code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> drop table v_parquet;
INFO : Compiling command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd): drop table v_parquet
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldsSchemas=null, properties=null)
INFO : Completed compiling command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd); Time taken: 0.031 seconds
INFO : Executing command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd): drop table v_parquet
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210419184737_80980600-0043-4d33-8891-ebca96696cbd); Time taken: 0.158 seconds
INFO : OK
No rows affected (0,236 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> create external table v_parquet stored as parquet location "/user/student3_10/v_parquet" as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException 0:0 Error creating temporary folder on: /user/student3_10/v_parquet. Error encountered near token 'TOK_TMP_FILE' (state=42000, code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> 

```

create table v\_parquet stored as parquet as select \* from vehicles;  
create table v\_parquet2 stored as parquet as select \* from vehicles limit 10;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ - x
Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2... student3_10@bigdataanalytics2... student3_10@bigdataanalytics2... student3_10@bigdataanalytics2...
igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56
Last login: Mon Apr 19 18:55:31 2021 from 109-252-26-235.nat.spd-mgts.ru
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /user/hive
Found 4 items
drwxr-xr-x - hive hdfs 0 2021-04-12 11:08 /user/hive/
drwxr----- - hive hdfs 0 2021-04-19 18:47 /user/hive/.Trash
drwxr-xr-x - hive hdfs 0 2021-04-02 17:27 /user/hive/.hiveJars
drwxr-xr-x - hive hdfs 0 2021-04-09 09:24 /user/hive/warehouse
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/hive/tablespace/external
ls: '/warehouse/hive/tablespace/external': No such file or directory
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ 

```

hdfs dfs -ls /warehouse/tablespace/external/hive/student3\_10.db

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ - x
Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2... student3_10@bigdataanalytics2... student3_10@bigdataanalytics2... student3_10@bigdataanalytics2...
drwxrwxnwx+ - hive hadoop 0 2021-04-19 15:08 /warehouse/tablespace/external/hive/student3_16.db
drwxrwxnwx+ - hive hadoop 0 2021-04-17 07:34 /warehouse/tablespace/external/hive/student3_23.db
drwxrwxnwx+ - hive hadoop 0 2021-04-18 17:52 /warehouse/tablespace/external/hive/student3_26.db
drwxrwxnwx+ - hive hadoop 0 2021-04-14 18:17 /warehouse/tablespace/external/hive/student3_39.db
drwxrwxnwx+ - hive hadoop 0 2021-04-15 18:25 /warehouse/tablespace/external/hive/student3_4.db
drwxrwxnwx+ - hive hadoop 0 2021-04-18 14:54 /warehouse/tablespace/external/hive/student3_8.db
drwxr-xr-t - hive hadoop 0 2021-03-20 14:32 /warehouse/tablespace/external/hive/sys.db
drwxrwxnwx+ - romane hadoop 0 2021-04-02 16:17 /warehouse/tablespace/external/hive/testdb.db
drwxrwxnwx+ - anonymous hadoop 0 2021-04-07 12:06 /warehouse/tablespace/external/hive/titanic.db
drwxrwxnwx+ - dmitriyt hadoop 0 2021-04-05 07:24 /warehouse/tablespace/external/hive/trending_youtube_videos.db
drwxrwxnwx+ - mihaild hadoop 0 2021-04-04 09:00 /warehouse/tablespace/external/hive/vaccin_db.db
drwxrwxnwx+ - valerias hadoop 0 2021-04-04 16:24 /warehouse/tablespace/external/hive/valerias_hive_db.db
drwxrwxnwx+ - vorozhbitovr hadoop 0 2021-04-02 17:21 /warehouse/tablespace/external/hive/vorozhbitov.db
drwxrwxnwx+ - hive hadoop 0 2021-04-05 19:04 /warehouse/tablespace/external/hive/vyacheslavk2.db
drwxrwxnwx+ - student21_7 hadoop 0 2021-04-11 09:18 /warehouse/tablespace/external/hive/wine.db
drwxrwxnwx+ - hive hadoop 0 2021-04-12 11:01 /warehouse/tablespace/external/hive/zzz.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ 

```

hdfs dfs -du -h /warehouse/tablespace/external/hive/student3\_10.db

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ - x
Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~ student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
drwxrwx---+ - hive hadoop 0 2021-04-20 18:05 /warehouse/tablespace/managed/hive/student3_13.db
drwxrwx---+ - hive hadoop 0 2021-04-19 15:08 /warehouse/tablespace/managed/hive/student3_16.db
drwxrwx---+ - hive hadoop 0 2021-04-17 07:34 /warehouse/tablespace/managed/hive/student3_23.db
drwxrwx---+ - hive hadoop 0 2021-04-18 17:52 /warehouse/tablespace/managed/hive/student3_26.db
drwxrwx---+ - hive hadoop 0 2021-04-14 18:17 /warehouse/tablespace/managed/hive/student3_39.db
drwxrwx---+ - hive hadoop 0 2021-04-15 18:25 /warehouse/tablespace/managed/hive/student3_4.db
drwxrwx---+ - hive hadoop 0 2021-04-19 20:21 /warehouse/tablespace/managed/hive/student3_8.db
drwxrwx---+ - hive hadoop 0 2021-03-20 14:28 /warehouse/tablespace/managed/hive/sys.db
drwxrwx---+ - hive hadoop 0 2021-04-13 11:24 /warehouse/tablespace/managed/hive/titanic.db
drwxrwx---+ - hive hadoop 0 2021-04-19 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_gzip
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_none
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_snappy
drwxrwx---+ - hive hadoop 0 2021-04-11 18:21 /warehouse/tablespace/managed/hive/wine.db
drwxrwx---+ - hive hadoop 0 2021-04-12 11:44 /warehouse/tablespace/managed/hive/zzz.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ls -l /warehouse/tablespace/managed/hive/student3_10.db
ls: Permission denied: user=student3_10, access=READ_EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx---
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ_EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx---
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ_EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx---
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ 

```

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл	Правка	Вид	Терминал	Вкладки	Справка
student3_10@bigdataanalytics2-...	student3_10@bigdataanalytics2-...	student3_10@bigdataanalytics2-...	student3_10@bigdataanalytics2-...		student3_10@bigdataanalytics2-...
drwxrwxrwx+ - hive	hadoop	0 2021-04-15 18:25 /warehouse/tablespace/external/hive/student3_4.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-18 14:54 /warehouse/tablespace/external/hive/student3_8.db			
drwxr-xr-t+ - hive	hadoop	0 2021-03-20 14:32 /warehouse/tablespace/external/hive/sys.db			
drwxrwxrwx+ - romane	hadoop	0 2021-04-02 16:17 /warehouse/tablespace/external/hive/testdb.db			
drwxrwxrwx+ - anonymous	hadoop	0 2021-04-07 12:06 /warehouse/tablespace/external/hive/titanic.db			
drwxrwxrwx+ - dmitriyt	hadoop	0 2021-04-05 07:24 /warehouse/tablespace/external/hive/trending_youtube_videos.db			
drwxrwxrwx+ - mihaild	hadoop	0 2021-04-04 16:24 /warehouse/tablespace/external/hive/vaccin_db.db			
drwxrwxrwx+ - valerias	hadoop	0 2021-04-04 09:00 /warehouse/tablespace/external/hive/vaccin_db.db			
drwxrwxrwx+ - vorozhbitovr	hadoop	0 2021-04-02 17:21 /warehouse/tablespace/external/hive/vorozhbitov.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-04 19:04 /warehouse/tablespace/external/hive/vyacheslavk2.db			
drwxrwxrwx+ - student21_7	hadoop	0 2021-04-11 09:18 /warehouse/tablespace/external/hive/wine.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-12 11:01 /warehouse/tablespace/external/hive/zzz.db			

```
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /warehouse/tablespace/external/hive/student3_10.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ_EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--.
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$
```

select \* from parquet\_test;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл	Правка	Вид	Терминал	Вкладки	Справка
INFO : Compiling command(queryId=hive_20210420190403_e710720a-8951-4b20-b3bd-4f68019d947c): select * from parquet test					
INFO : Semantic Analysis Completed (retrial = false)					
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:parquet_test.id, type:int, comment:null), FieldSchema(name:parquet_test.str, type:string, comment:null)]), properties: null					
INFO : Completed compiling command(queryId=hive_20210420190403_e710720a-8951-4b20-b3bd-4f68019d947c); Time taken: 0.12 seconds					
INFO : Executed command(queryId=hive_20210420190403_e710720a-8951-4b20-b3bd-4f68019d947c): select * from parquet test					
INFO : Completed executing command(queryId=hive_20210420190403_e710720a-8951-4b20-b3bd-4f68019d947c); Time taken: 0.001 seconds					
INFO : OK					
+-----+-----+	parquet_test.id   parquet_test.str				
+-----+-----+	1   myText				
+-----+-----+					

```
1 row selected (0,351 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> ■
```

hdfs dfs -ls /warehouse/tablespace/external/hive/student3\_10.db

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл	Правка	Вид	Терминал	Вкладки	Справка
drwxrwxrwx+ - hive	hadoop	0 2021-04-17 20:17 /warehouse/tablespace/external/hive/student3_10.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-18 06:44 /warehouse/tablespace/external/hive/student3_12.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-19 09:33 /warehouse/tablespace/external/hive/student3_13.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-19 15:08 /warehouse/tablespace/external/hive/student3_16.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-17 07:34 /warehouse/tablespace/external/hive/student3_23.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-18 17:52 /warehouse/tablespace/external/hive/student3_26.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-14 18:17 /warehouse/tablespace/external/hive/student3_39.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-15 18:25 /warehouse/tablespace/external/hive/student3_4.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-18 14:54 /warehouse/tablespace/external/hive/student3_8.db			
drwxr-xr-t+ - hive	hadoop	0 2021-03-20 14:32 /warehouse/tablespace/external/hive/sys.db			
drwxrwxrwx+ - romane	hadoop	0 2021-04-02 16:17 /warehouse/tablespace/external/hive/testdb.db			
drwxrwxrwx+ - anonymous	hadoop	0 2021-04-05 07:24 /warehouse/tablespace/external/hive/trending_youtube_videos.db			
drwxrwxrwx+ - dmitriyt	hadoop	0 2021-04-04 09:00 /warehouse/tablespace/external/hive/vaccin_db.db			
drwxrwxrwx+ - mihaild	hadoop	0 2021-04-04 16:24 /warehouse/tablespace/external/hive/vaccin_db.db			
drwxrwxrwx+ - valerias	hadoop	0 2021-04-02 17:21 /warehouse/tablespace/external/hive/vorozhbitov.db			
drwxrwxrwx+ - vorozhbitovr	hadoop	0 2021-04-05 19:04 /warehouse/tablespace/external/hive/vyacheslavk2.db			
drwxrwxrwx+ - hive	hadoop	0 2021-04-11 09:18 /warehouse/tablespace/external/hive/wine.db			
drwxrwxrwx+ - student21_7	hadoop	0 2021-04-12 11:01 /warehouse/tablespace/external/hive/zzz.db			

```
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$
```

alter table student3\_10.parquet\_test change str str str\_new string;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл	Правка	Вид	Терминал	Вкладки	Справка
INFO : Executing command(queryId=hive_20210420191404_d908f76a-7002-4b90-90d6-0c3d7ada6024): alter table student3_10.parquet_test change str str_new string					
INFO : Starting task [Stage-0:DDL] in serial mode					
INFO : Completed executing command(queryId=hive_20210420191404_d908f76a-7002-4b90-90d6-0c3d7ada6024); Time taken: 0.108 seconds					
INFO : OK					
No rows affected (0,223 seconds)					
0: jdbc:hive2://bigdataanalytics2-worker-shdp> select * from parquet_test;					
INFO : Compiling command(queryId=hive_20210420191429_ele07bc9-8c8f-48f2-916d-5b92b81592ad): select * from parquet_test					
INFO : Semantic Analysis Completed (retrial = false)					
INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:parquet_test.id, type:int, comment:null), FieldSchema(name:parquet_test.str_new, type:string, comment:null)]), properties: null					
INFO : Completed compiling command(queryId=hive_20210420191429_ele07bc9-8c8f-48f2-916d-5b92b81592ad); Time taken: 0.169 seconds					
INFO : Executing command(queryId=hive_20210420191429_ele07bc9-8c8f-48f2-916d-5b92b81592ad): select * from parquet_test					
INFO : Completed executing command(queryId=hive_20210420191429_ele07bc9-8c8f-48f2-916d-5b92b81592ad); Time taken: 0.001 seconds					
INFO : OK					
+-----+-----+	parquet_test.id   parquet_test.str_new				
+-----+-----+	1   NULL				
+-----+-----+					

```
1 row selected (0,402 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> ■
```

alter table student3\_10.parquet\_test change str\_new str string;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка

INFO : Executing command(queryId=hive_20210420191736_7696bf5b-2d93-4c14-9586-2eac41d82dbc); alter table student3_10.parquet_test change str_new str string
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210420191736_7696bf5b-2d93-4c14-9586-2eac41d82dbc); Time taken: 0.044 seconds
INFO : OK
No rows affected (0,125 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> select * from parquet_test;
INFO : Compiling command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); select * from parquet_test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema([FieldSchema(name:parquet_test.id, type:int, comment:null), FieldSchema(name:parquet_test.str, type:string, comment:null)]), properties: null
INFO : Completed compiling command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); Time taken: 0.102 seconds
INFO : Executing command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); select * from parquet_test
INFO : Completed executing command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); Time taken: 0.0 seconds
INFO : OK
+-----+-----+
| parquet_test.id | parquet_test.str |
+-----+-----+
| 1             | myText        |
+-----+-----+
1 row selected (0,212 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> ■

```

**SET parquet.compression=SNAPPY;**

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка

student3_10@bigdataanalytics2-head-shdpt-v31-1-~ student3_10@bigdataanalytics2-head-shdpt-v31-1-~

INFO : Completed executing command(queryId=hive_20210420191736_7696bf5b-2d93-4c14-9586-2eac41d82dbc); Time taken: 0.044 seconds
INFO : OK
No rows affected (0,125 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> select * from parquet_test;
INFO : Compiling command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); select * from parquet_test
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema([FieldSchema(name:parquet_test.id, type:int, comment:null), FieldSchema(name:parquet_test.str, type:string, comment:null)]), properties: null
INFO : Completed compiling command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); Time taken: 0.102 seconds
INFO : Executing command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); select * from parquet_test
INFO : Completed executing command(queryId=hive_20210420191742_dcca99e3-2769-40c4-a735-15d8afb3e39c); Time taken: 0.0 seconds
INFO : OK
+-----+-----+
| parquet_test.id | parquet_test.str |
+-----+-----+
| 1             | myText        |
+-----+-----+
1 row selected (0,212 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> SET parquet.compression=SNAPPY;
No rows affected (0,024 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> ■

```

**create table v\_parquet\_sn stored as parquet as select \* from vehicles;**

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка

student3_10@bigdataanalytics2-head-shdpt-v31-1-~ student3_10@bigdataanalytics2-head-shdpt-v31-1-~

INFO : RECORDS_OUT_INTERMEDIATE Reducer_2: 0
INFO : RECORDS_OUT_OPERATOR_FS_12: 1
INFO : RECORDS_OUT_OPERATOR_GBY_10: 1
INFO : TaskCounter Reducer_2_INPUT_Map_1:
INFO : INPUT_RECORDS_PROCESSED: 0
INFO : SHUFFLE_BYTES_DECOMPRESSED: 0
INFO : TaskCounter Reducer_2_OUTPUT_out_Reducer_2:
INFO : OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED_INPUT SPLITS Map_1: 0
INFO : INPUT_DIRECTORIES Map_1: 0
INFO : INPUT_FILES Map_1: 0
INFO : RAW_INPUT SPLITS Map_1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420192952_d29bea1-61fc-4aa2-9bfa-18ff863204cf); Time taken: 8.451 seconds
INFO : OK
No rows affected (8,787 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> ■

```

**create external table v\_parquet\_sn stored as parquet as select \* from vehicles;**

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка

student3_10@bigdataanalytics2-head-shdpt-v31-1-~ student3_10@bigdataanalytics2-head-shdpt-v31-1-~

INFO : TaskCounter Reducer_2_INPUT_Map_1:
INFO : INPUT_RECORDS_PROCESSED: 0
INFO : SHUFFLE_BYTES_DECOMPRESSED: 0
INFO : TaskCounter Reducer_2_OUTPUT_out_Reducer_2:
INFO : OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED_INPUT SPLITS Map_1: 0
INFO : INPUT_DIRECTORIES Map_1: 0
INFO : INPUT_FILES Map_1: 0
INFO : RAW_INPUT SPLITS Map_1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420192952_d29bea1-61fc-4aa2-9bfa-18ff863204cf); Time taken: 8.451 seconds
INFO : OK
No rows affected (8,787 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> create external table v_parquet_sn stored as parquet as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException org.apache.hadoop.hive.parse.SemanticException: Table already exists: student3_10.v_parquet_sn (state=42000, code=4000)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> ■

```

**drop table v\_parquet\_sn;**

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

student3\_10@bigdataanalytics2-head-shdpt-v31-1-0:~

```

INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420192952_d29beaal-61fc-4aa2-9bfa-18ff863204cf); Time taken: 8.451 seconds
INFO : OK
No rows affected (8,787 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> create external table v_parquet_sn stored as parquet as select * from vehicles;
Error: Error while compiling statement: FAILED: SemanticException org.apache.hadoop.hive.ql.parse.SemanticException: Table already exists: student3_10.v_parquet_sn (state=42000,code=4000
0)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> drop table v_parquet_sn;
INFO : Compiling command(queryId=hive_20210420193631_90f2ebef-6171-4d9a-8132-e96e00c05733): drop table v_parquet_sn
INFO : Semantic Analysis Completed (retrial = false)
INFO : Returning Hive schema: Schema(fieldschemas=null, properties=null)
INFO : Completed compiling command(queryId=hive_20210420193631_90f2ebef-6171-4d9a-8132-e96e00c05733); Time taken: 0.031 seconds
INFO : Executing command(queryId=hive_20210420193631_90f2ebef-6171-4d9a-8132-e96e00c05733): drop table v_parquet_sn
INFO : Starting task [Stage-0:DDL] in serial mode
INFO : Completed executing command(queryId=hive_20210420193631_90f2ebef-6171-4d9a-8132-e96e00c05733); Time taken: 0.132 seconds
INFO : OK
No rows affected (0,214 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 
```

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

student3\_10@bigdataanalytics2-head-shdpt-v31-1-0:~

```

INFO : RECORDS_OUT_OPERATOR_GBY_10: 1
INFO : TaskCounter Reducer_2_INPUT_Map_1:
INFO : INPUT_RECORDS PROCESSED: 0
INFO : SHUFFLE_BYTES DECOMPRESSED: 0
INFO : TaskCounter Reducer_2_OUTPUT_out Reducer_2:
INFO : OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED INPUT SPLITS Map_1: 0
INFO : INPUT DIRECTORIES Map_1: 0
INFO : INPUT FILES Map_1: 0
INFO : RAW INPUT SPLITS Map_1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db/.hive-staging_hive_2021-04-20_19-36-50_075_7198630375159789646-94-ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420193650_5bf78ee0-961f-45dd-8980-f5b26268b81b); Time taken: 9.365 seconds
INFO : OK
No rows affected (9,643 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 
```

hdfs dfs -ls /warehouse/tablespace/external/hive/student3\_10.db

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

student3\_10@bigdataanalytics2-head-shdpt-v31-1-0:~

```

drwxrwx---+ - hive hadoop 0 2021-04-18 17:52 /warehouse/tablespace/managed/hive/student3_26.db
drwxrwx---+ - hive hadoop 0 2021-04-14 18:17 /warehouse/tablespace/managed/hive/student3_39.db
drwxrwx---+ - hive hadoop 0 2021-04-15 18:25 /warehouse/tablespace/managed/hive/student3_4.db
drwxrwx---+ - hive hadoop 0 2021-04-19 20:21 /warehouse/tablespace/managed/hive/student3_8.db
drwxrwx---+ - hive hadoop 0 2021-03-28 14:24 /warehouse/tablespace/managed/hive/sys.db
drwxrwx---+ - hive hadoop 0 2021-04-13 11:21 /warehouse/tablespace/managed/hive/titanic.db
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_gzip
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_none
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_snappy
drwxrwx---+ - hive hadoop 0 2021-04-11 18:21 /warehouse/tablespace/managed/hive/wine.db
drwxrwx---+ - hive hadoop 0 2021-04-12 11:41 /warehouse/tablespace/managed/hive/zzz.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/managed/hive/student3_10.db
ls: Permission denied: user=student3_10, access=1000, READ EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx---
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx---
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx---
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db
Found 1 items
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ 
```

create external table v\_parquet stored as parquet as select \* from vehicles;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

student3\_10@bigdataanalytics2-head-shdpt-v31-1-0:~

```

INFO : INPUT DIRECTORIES Map_1: 0
INFO : INPUT FILES Map_1: 0
INFO : RAW INPUT SPLITS Map_1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_parquet from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db/.hive-staging_hive_2021-04-20_19-43-24_111_683239114894284036-94-ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420194324_51ba2743-ecb5-46c4-bd13-b7d72e8b05ef); Time taken: 7.923 seconds
INFO : OK
-----  

VERTICES MODE STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED  

Map 1 container SUCCEEDED 0 0 0 0 0 0 0  

Reducer 2 container SUCCEEDED 1 1 0 0 0 0 0  

-----  

VERTICES: 01/02 [=====>] 100% ELAPSED TIME: 3,02 s  

No rows affected (8,202 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 
```

```
Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
drwxrwx---+ - hive hadoop 0 2021-03-20 14:28 /warehouse/tablespace/managed/hive/sys.db
drwxrwx---+ - hive hadoop 0 2021-04-13 11:26 /warehouse/tablespace/managed/hive/titanic.db
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_gzip
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_none
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_snappy
drwxrwx---+ - hive hadoop 0 2021-04-11 18:21 /warehouse/tablespace/managed/hive/wine.db
drwxrwx---+ - hive hadoop 0 2021-04-12 11:44 /warehouse/tablespace/managed/hive/zzz.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/managed/hive/student3_10.db
ls: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /Warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /Warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/external/hive/student3_10.db
Found 1 items
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/external/hive/student3_10.db
Found 2 items
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:43 /warehouse/tablespace/external/hive/student3_10.db/v.parquet
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/external/hive/student3_10.db
```

hdfs dfs -du -h /warehouse/tablespace/external/hive/student3\_10.db

```
Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_none
drwxrwx---+ - hive hadoop 0 2021-04-15 09:41 /warehouse/tablespace/managed/hive/transactions_parquet_snappy
drwxrwx---+ - hive hadoop 0 2021-04-11 18:21 /warehouse/tablespace/managed/hive/wine.db
drwxrwx---+ - hive hadoop 0 2021-04-12 11:44 /warehouse/tablespace/managed/hive/zzz.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/managed/hive/student3_10.db
ls: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /Warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /Warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/external/hive/student3_10.db
Found 1 items
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/external/hive/student3_10.db
Found 2 items
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:43 /warehouse/tablespace/external/hive/student3_10.db/v.parquet
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /Warehouse/tablespace/external/hive/student3_10.db
0 0 /Warehouse/tablespace/external/hive/student3_10.db/v.parquet
0 0 /Warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$
```

hdfs dfs -du -h /warehouse/tablespace/external/hive/student3\_10.db/v.parquet\_sn

```
Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
drwxrwx---+ - hive hadoop 0 2021-04-11 18:21 /warehouse/tablespace/managed/hive/wine.db
drwxrwx---+ - hive hadoop 0 2021-04-12 11:44 /warehouse/tablespace/managed/hive/zzz.db
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/managed/hive/student3_10.db
ls: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /Warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /h /Warehouse/tablespace/managed/hive/student3_10.db
du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/Warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx--[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/external/hive/student3_10.db
Found 1 items
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /Warehouse/tablespace/external/hive/student3_10.db
Found 2 items
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:43 /warehouse/tablespace/external/hive/student3_10.db/v.parquet
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du /Warehouse/tablespace/external/hive/student3_10.db
0 0 /Warehouse/tablespace/external/hive/student3_10.db/v.parquet
0 0 /Warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /Warehouse/tablespace/external/hive/student3_10.db/v.parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$
```

SET parquet.compression=GZIP;

```
Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```
INFO : RAW INPUT SPLITS Map 1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v.parquet from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db/.hive-staging_hive_2021-04-20_19-43-24_111_683239114894284036-94-ext-10008
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_202104201914324_51ba2743-ecb5-46c4-bd13-b7d72e8b05ef); Time taken: 7.923 seconds
INFO : OK
-----
      VERTICES    MODE      STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 1       container  SUCCEEDED   0     0     0     0     0     0     0
Reducer 2 ..... container  SUCCEEDED   1     1     0     0     0     0     0
-----
VERTICES: 01/02 [======>] 100% ELAPSED TIME: 3,02 s
-----
```

No rows affected (8,202 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> SET parquet.compression=GZIP;
No rows affected (0,019 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp>

create external table v\_parquet\_gx stored as parquet as select \* from vehicles;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~



INFO : INPUT DIRECTORIES Map_1: 0
INFO : INPUT FILES Map_1: 0
INFO : RAW INPUT SPLITS Map_1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db.hive-staging_hive_2021-04-20_19-54-32_166_5885554730146250041-94-ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
-----  

VERTICES MODE STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED  

Map 1 container SUCCEEDED 0 0 0 0 0 0  

Reducer 2 ..... container SUCCEEDED 1 1 0 0 0 0  

-----  

VERTICES: 01/02 [=====>>>] 100% ELAPSED TIME: 3,31 s  

-----  

INFO : Completed executing command(queryId=hive_20210420195432_45747322-19a1-4a2f-a2f1-c57cbc4b1457); Time taken: 8.685 seconds
INFO : OK
No rows affected (9,052 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 

```

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~



Файл Правка Вид Терминал Вкладки Справка student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  

du: Permission denied: user=student3_10, access=READ EXECUTE, inode="/warehouse/tablespace/managed/hive/student3_10.db":hive:hadoop:drwxrwx---[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db  
Found 1 items  
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db  
Found 2 items  
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:43 /warehouse/tablespace/external/hive/student3_10.db/v_parquet  
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db  
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet  
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ SET parquet.compression=GZIP;  
-bash: SET: команда не найдена[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet  
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db  
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx  
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ 

```

select manufacturer, sum(price) from vehicles group by manufacturer order by manufacturer;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~



Файл Правка Вид Терминал Вкладки Справка student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  

INFO : SHUFFLE_BYTES DECOMPRESSED: 0
INFO : SHUFFLE_BYTES_DISK_DIRECT: 0
INFO : SHUFFLE_BYTES_TO_DISK: 0
INFO : SHUFFLE_BYTES_TO_MEM: 0
INFO : SHUFFLE_PHASE_TIME: 1577
INFO : SPILLED_RECORDS: 0
INFO : TaskCounter Reducer_3_OUTPUT_out_Reducer_3:
INFO : OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED INPUT SPLITS Map_1: 0
INFO : INPUT DIRECTORIES Map_1: 0
INFO : INPUT FILES Map_1: 0
INFO : RAW INPUT SPLITS Map_1: 0
INFO : Completed executing command(queryId=hive_20210420200822_7cb670b7-7b81-4a15-ba9f-63eb51206fa9); Time taken: 10.185 seconds
INFO : OK
+-----+-----+
| manufacturer | .cl |
+-----+-----+
+-----+-----+
No rows selected (10,493 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 

```

select manufacturer, sum(price) from v\_parquet group by manufacturer order by manufacturer;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~



Файл Правка Вид Терминал Вкладки Справка student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~  

INFO : SHUFFLE_BYTES DECOMPRESSED: 0
INFO : SHUFFLE_BYTES_DISK_DIRECT: 0
INFO : SHUFFLE_BYTES_TO_DISK: 0
INFO : SHUFFLE_BYTES_TO_MEM: 0
INFO : SHUFFLE_PHASE_TIME: 309
INFO : SPILLED_RECORDS: 0
INFO : TaskCounter Reducer_3_OUTPUT_out_Reducer_3:
INFO : OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED INPUT SPLITS Map_1: 0
INFO : INPUT DIRECTORIES Map_1: 1
INFO : INPUT FILES Map_1: 0
INFO : RAW INPUT SPLITS Map_1: 0
INFO : Completed executing command(queryId=hive_20210420201148_ca935a95-5d6e-4780-8249-9d36678b9489); Time taken: 4.445 seconds
INFO : OK
+-----+-----+
| manufacturer | .cl |
+-----+-----+
+-----+-----+
+-----+-----+
No rows selected (4,674 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 

```

select manufacturer, sum(price) from v\_parquet\_sn group by manufacturer order by manufacturer;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

INFO : SHUFFLE BYTES DECOMPRESSED: 0
INFO : SHUFFLE BYTES DISK DIRECT: 0
INFO : SHUFFLE BYTES TO DISK: 0
INFO : SHUFFLE BYTES TO MEM: 0
INFO : SHUFFLE PHASE TIME: 361
INFO : SPILLED RECORDS: 0
INFO : TaskCounter Reducer_3_OUTPUT_out_Reducer_3:
INFO : OUTPUT RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED INPUT SPLITS Map 1: 0
INFO : INPUT DIRECTORIES Map 1: 1
INFO : INPUT FILES Map 1: 0
INFO : RAW INPUT SPLITS Map 1: 0
INFO : Completed executing command(queryId=hive_20210420201738_95d34d0b-b95f-4801-835a-8964dcce2c2b); Time taken: 10.165 seconds
INFO : OK
+-----+-----+
| manufacturer | _cl |
+-----+-----+
+-----+-----+
No rows selected (10,405 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 
```

hdfs dfs -ls /warehouse/tablespace/external/hive/student3\_10.db/v\_parquet | head

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:43 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
drwxrwxrwx+ - hive hadoop 0 2021-04-20 19:36 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ^C
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ SET parquet.compression=GZIP;
-bash: SET: команда не найдена
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -cat /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
cat: '/warehouse/tablespace/external/hive/student3_10.db/v_parquet': Is a directory
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ 
```

create external table v\_avro stored as avro as select \* from vehicles;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

INFO : RECORDS_OUT OPERATOR_GBY_10: 1
INFO : TaskCounter Reducer_2_INPUT_Map_1:
INFO : INPUT RECORDS PROCESSED: 0
INFO : SHUFFLE BYTES DECOMPRESSED: 0
INFO : TaskCounter Reducer_2_OUTPUT_out_Reducer_2:
INFO : OUTPUT RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED INPUT SPLITS Map 1: 0
INFO : INPUT DIRECTORIES Map 1: 0
INFO : INPUT FILES Map 1: 0
INFO : RAW INPUT SPLITS Map 1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_avro from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db/.hive-staging_hive_2021-04-20_20-35-44_013_5420090293530921526-94-ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420203544_3c484d72-15e5-45e0-b82e-35f284b18148); Time taken: 9.163 seconds
INFO : OK
No rows affected (9,556 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> 
```

hdfs dfs -du -h /warehouse/tablespace/external/hive/student3\_10.db/v\_avro

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ SET parquet.compression=GZIP;
-bash: SET: команда не найдена
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -cat /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
cat: '/warehouse/tablespace/external/hive/student3_10.db/v_parquet': Is a directory
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_avro
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_avro
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ 
```

SET avro.output.codec=snappy;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-~ student3_10@bigdataanalytics2-head-shdpt-v31-1-~

INFO : INPUT RECORDS PROCESSED: 0
INFO : SHUFFLE_BYTES_DECOMPRESSED: 0
INFO : TaskCounter Reducer_2_OUTPUT_out Reducer_2:
INFO : OUTPUT_RECORDS: 0
INFO : org.apache.hadoop.hive ql.exec.tez.HiveInputCounters:
INFO : GROUPED INPUT SPLITS Map 1: 0
INFO : INPUT DIRECTORIES Map 1: 0
INFO : INPUT FILES Map 1: 0
INFO : RAW INPUT SPLITS Map 1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_avro from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db/.hive-staging_hive_2021-04-20_20-35-44_013_5420090293530921526-94-ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420203544_3c484d72-15e5-45e0-b82e-35f284b18148); Time taken: 9.163 seconds
INFO : OK
No rows affected (0,556 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> SET avro.output.codec=snappy;
No rows affected (0,021 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> ■

```

create external table v\_avro\_sn stored as avro as select \* from vehicles;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-~ student3_10@bigdataanalytics2-head-shdpt-v31-1-~

INFO : INPUT_DIRECTORIES Map 1: 0
INFO : INPUT_FILES Map 1: 0
INFO : RAW_INPUT_SPLITS Map 1: 0
INFO : Starting task [Stage-2:DEPENDENCY_COLLECTION] in serial mode
INFO : Starting task [Stage-0:MOVE] in serial mode
INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_avro_sn from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db/.hive-staging_hive_2021-04-20_20-43-39_735_1681797949855207955-94-ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420204339_99d5ae75-c75c-4066-bfac-2953451fad5); Time taken: 8.137 seconds
INFO : OK
-----
VERTICES MODE STATUS TOTAL COMPLETED RUNNING PENDING FAILED KILLED
Map 1 container SUCCEEDED 0 0 0 0 0 0 0
Reducer 2 ..... container SUCCEEDED 1 1 0 0 0 0 0
-----
VERTICES: 0/02 [=====>>>] 100% ELAPSED TIME: 3,29 s
No rows affected (8,469 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdp> ■

```

hdfs dfs -du -h /warehouse/tablespace/external/hive/student3\_10.db

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-~ student3_10@bigdataanalytics2-head-shdpt-v31-1-~

0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -cat /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
cat: '/warehouse/tablespace/external/hive/student3_10.db/v_parquet': Is a directory
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db/v_avro
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_avro
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_avro
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_avro_sn
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ■

```

avro-tools getmeta hdfs://manager.novalocal:8020/user/hive/warehouse/lesson5.db/avro\_test/000000\_0\_copy\_1

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-~

Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-~ student3_10@bigdataanalytics2-head-shdpt-v31-1-~

[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_parquet
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -cat /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
cat: '/warehouse/tablespace/external/hive/student3_10.db/v_parquet': Is a directory
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -ls /warehouse/tablespace/external/hive/student3_10.db/v_parquet | head
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/v_avro
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db/
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_avro
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hdfs dfs -du -h /warehouse/tablespace/external/hive/student3_10.db
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_avro
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_avro_sn
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_gx
0 0 /warehouse/tablespace/external/hive/student3_10.db/v_parquet_sn
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ avro-tools getmeta hdfs://manager.novalocal:8020/user/hive/warehouse/lesson5.db/avro_test/000000_0_copy_1
-bash: avro-tools: команда не найдена
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ ■

```

SET avro.output.codec=gzip;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_avro_sn from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db.hive-staging_hive_2021-04-20_20-43-39_735_1681797949855207955-94/ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420204339_99d5ae75-c75c-4066-bfac-2953451fald5); Time taken: 8.137 seconds
INFO : OK
```

VERTICES	MODE	STATUS	TOTAL	COMPLETED	RUNNING	PENDING	FAILED	KILLED
Map 1	container	SUCCEEDED	0	0	0	0	0	0
Reducer 2	container	SUCCEEDED	1	1	0	0	0	0

```

VERTICES: 01/02 [=====>] 100% ELAPSED TIME: 3,29 s
```

No rows affected (8,469 seconds)

```

0: jdbc:hive2://bigdataanalytics2-worker-shdpt> avro-tools getmeta hdfs://manager.novalocal:8020/user/hive/warehouse/lesson5.db/avro_test/000000_0_copy_1
...>
Error: Error while compiling statement: FAILED: ParseException line 1:0 cannot recognize input near 'avro' '-' 'tools' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> SET avro.output.codec=gzip;
No rows affected (0,024 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt>
```

create external table v\_avro\_gz stored as avro as select \* from vehicles;

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

INFO : Returning Hive schema: Schema(fieldSchemas:[FieldSchema(name:vehicles.rid, type:string, comment:null), FieldSchema(name:vehicles.id, type:int, comment:null), FieldSchema(name:vehicles.url, type:string, comment:null), FieldSchema(name:vehicles.region, type:string, comment:null), FieldSchema(name:vehicles.region_url, type:string, comment:null), FieldSchema(name:vehicles.price, type:int, comment:null), FieldSchema(name:vehicles.year, type:string, comment:null), FieldSchema(name:vehicles.manufacturer, type:string, comment:null), FieldSchema(name:vehicles.model, type:string, comment:null), FieldSchema(name:vehicles.condition, type:string, comment:null), FieldSchema(name:vehicles.cylinders, type:string, comment:null), FieldSchema(name:vehicles.fuel, type:string, comment:null), FieldSchema(name:vehicles.odometer, type:double, comment:null), FieldSchema(name:vehicles.vin, type:string, comment:null), FieldSchema(name:vehicles.title_status, type:string, comment:null), FieldSchema(name:vehicles.size, type:string, comment:null), FieldSchema(name:vehicles.type, type:string, comment:null), FieldSchema(name:vehicles.drive, type:string, comment:null), FieldSchema(name:vehicles.image_url, type:string, comment:null), FieldSchema(name:vehicles.description, type:string, comment:null), FieldSchema(name:vehicles.paint_color, type:string, comment:null), FieldSchema(name:vehicles.lat, type:string, comment:null), FieldSchema(name:vehicles.long, type:string, comment:null), FieldSchema(name:vehicles.posting_date, type:string, comment:null), FieldSchema(name:vehicles.p.date, type:string, comment:null)], properties:null)
INFO : Completed compiling command(queryId=hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866); Time taken: 0.294 seconds
INFO : Executing command(queryId=hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866): create external table v_avro_gz stored as avro as select * from vehicles
INFO : Query ID = hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866
INFO : Total jobs = 1
INFO : Launching Job 1 out of 1
INFO : Starting task [Stage-1:MAPRED] in serial mode
INFO : Subscribed to counters: [] for queryId: hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866
INFO : Session is already open
INFO : Dag name: create external table v_avro_gz s...vehicles (Stage-1)
INFO : Tez session was closed. Reopening...
```

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_avro_sn from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db.hive-staging_hive_2021-04-20_20-43-39_735_1681797949855207955-94/ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420204339_99d5ae75-c75c-4066-bfac-2953451fald5); Time taken: 8.137 seconds
INFO : OK
```

VERTICES	MODE	STATUS	TOTAL	COMPLETED	RUNNING	PENDING	FAILED	KILLED
Map 1	container	SUCCEEDED	0	0	0	0	0	0
Reducer 2	container	SUCCEEDED	1	1	0	0	0	0

```

VERTICES: 01/02 [=====>] 100% ELAPSED TIME: 3,29 s
```

No rows affected (8,469 seconds)

```

0: jdbc:hive2://bigdataanalytics2-worker-shdpt> avro-tools getmeta hdfs://manager.novalocal:8020/user/hive/warehouse/lesson5.db/avro_test/000000_0_copy_1
...>
Error: Error while compiling statement: FAILED: ParseException line 1:0 cannot recognize input near 'avro' '-' 'tools' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> SET avro.output.codec=gzip;
No rows affected (0,024 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt>
```

```

Терминал - student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

Файл Правка Вид Терминал Вкладки Справка

```

student3_10@bigdataanalytics2-head-shdpt-v31-1-0:~
```

```

INFO : Moving data to directory hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/external/hive/student3_10.db/v_avro_sn from hdfs://bigdataanalytics2-head-shdpt-v31-1-0.novalocal:8020/warehouse/tablespace/managed/hive/student3_10.db.hive-staging_hive_2021-04-20_20-43-39_735_1681797949855207955-94/ext-10002
INFO : Starting task [Stage-4:DDL] in serial mode
INFO : Starting task [Stage-3:STATS] in serial mode
INFO : Completed executing command(queryId=hive_20210420204339_99d5ae75-c75c-4066-bfac-2953451fald5); Time taken: 8.137 seconds
INFO : OK
```

VERTICES	MODE	STATUS	TOTAL	COMPLETED	RUNNING	PENDING	FAILED	KILLED
Map 1	container	SUCCEEDED	0	0	0	0	0	0
Reducer 2	container	SUCCEEDED	1	1	0	0	0	0

```

VERTICES: 01/02 [=====>] 100% ELAPSED TIME: 3,29 s
```

No rows affected (8,469 seconds)

```

0: jdbc:hive2://bigdataanalytics2-worker-shdpt> avro-tools getmeta hdfs://manager.novalocal:8020/user/hive/warehouse/lesson5.db/avro_test/000000_0_copy_1
...>
Error: Error while compiling statement: FAILED: ParseException line 1:0 cannot recognize input near 'avro' '-' 'tools' (state=42000,code=40000)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt> SET avro.output.codec=gzip;
No rows affected (0,024 seconds)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt>
```

create external table v\_orc stored as orc as select \* from vehicles;

Терминал - student3\_10@bigdataanalytics2-head-shdpt-v31-1-0~

```

Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-0~
```

```

vehicles.model, type:string, comment:null), FieldSchema(name:vehicles.condition, type:string, comment:null), FieldSchema(name:vehicles.cylinders, type:string, comment:null), FieldSchema(name:vehicles.fuel_type, type:string, comment:null), FieldSchema(name:vehicles.odometer, type:double, comment:null), FieldSchema(name:vehicles.title_status, type:string, comment:null), FieldSchema(name:vehicles.transmission, type:string, comment:null), FieldSchema(name:vehicles.vin, type:string, comment:null), FieldSchema(name:vehicles.drive, type:string, comment:null), FieldSchema(name:vehicles.size, type:string, comment:null), FieldSchema(name:vehicles.type, type:string, comment:null), FieldSchema(name:vehicles.paint_color, type:string, comment:null), FieldSchema(name:vehicles.image_url, type:string, comment:null), FieldSchema(name:vehicles.description, type:string, comment:null), FieldSchema(name:vehicles.state, type:string, comment:null), FieldSchema(name:vehicles.lat, type:string, comment:null), FieldSchema(name:vehicles.long, type:string, comment:null), FieldSchema(name:vehicles.posting_date, type:string, comment:null), FieldSchema(name:vehicles.p_date, type:string, comment:null)), properties:null)
INFO : Completed compiling command(queryId=hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866); Time taken: 0.294 seconds
INFO : Executing command(queryId=hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866): create external table v_avro_gz stored as avro as select * from vehicles
INFO : Query ID = hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866
INFO : Total jobs = 1
INFO : Launching Job 1 out of 1
INFO : Starting task [Stage-1:MAPRED] in serial mode
INFO : Subscribed to counters: [] for queryId: hive_20210420205540_d16e6345-f814-416e-a487-8c95e8bb3866
INFO : Session is already open
INFO : Dag name: create external table v_avro_gz s...vehicles (Stage-1)
INFO : Tez session was closed. Reopening...
Interrupting... Please be patient this may take some time.
Error: Query was cancelled (state=01000,code=0)
0: jdbc:hive2://bigdataanalytics2-worker-shdpt create external table v Orc stored as orc as select * from vehicles;

```

hive --orcfiledump /warehouse/tablespace/external/hive/student3\_10.db/v Orc/000000\_0

Терминал - student3\_10@bigdataanalytics2-head-shdpt-v31-1-0~

```

Файл Правка Вид Терминал Вкладки Справка
student3_10@bigdataanalytics2-head-shdpt-v31-1-0~
```

```

[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$ hive --orcfiledump /warehouse/tablespace/external/hive/student3_10.db/v Orc/000000_0
SLF4J: Class path contains multiple SLF4J bindings.
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hive/lib/log4j-slf4j-impl-2.10.0.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: Found binding in [jar:file:/usr/hdp/3.1.4.0-315/hadoop/lib/slf4j-log4j12-1.7.25.jar!/org/slf4j/impl/StaticLoggerBinder.class]
SLF4J: See http://www.slf4j.org/codes.html#multiple_bindings for an explanation.
SLF4J: Actual binding is of type [org.apache.logging.slf4j.Log4jLoggerFactory]
Exception in thread "main" java.io.FileNotFoundException: File does not exist: /warehouse/tablespace/external/hive/student3_10.db/v Orc/000000_0
        at org.apache.hadoop.hdfs.DistributedFileSystem$29.doCall(DistributedFileSystem.java:1581)
        at org.apache.hadoop.hdfs.DistributedFileSystem$29.doCall(DistributedFileSystem.java:1574)
        at org.apache.hadoop.fs.FileSystemLinkResolver.resolve(FileSystemLinkResolver.java:81)
        at org.apache.hadoop.hdfs.DistributedFileSystem.getFileStatus(DistributedFileSystem.java:1589)
        at org.apache.orc.tools.FileDump.getAllFilesInPath(FileDump.java:251)
        at org.apache.orc.tools.FileDump.main(FileDump.java:123)
        at org.apache.orc.tools.FileDump.main(FileDump.java:142)
        at sun.reflect.NativeMethodAccessorImpl.invoke0(Native Method)
        at sun.reflect.NativeMethodAccessorImpl.invoke(NativeMethodAccessorImpl.java:62)
        at sun.reflect.DelegatingMethodAccessorImpl.invoke(DelegatingMethodAccessorImpl.java:43)
        at java.lang.reflect.Method.invoke(Method.java:498)
        at org.apache.hadoop.util.RunJar.main(RunJar.java:318)
        at org.apache.hadoop.util.RunJar.main(RunJar.java:232)
[student3_10@bigdataanalytics2-head-shdpt-v31-1-0 ~]$
```

hdfs dfs -chmod -r 777 /user/student3\_10/avro  
 hdfs dfs -chmod 777 /user/student3\_10/avro  
 hdfs dfs -ls /user/student3\_10/avro  
 hdfs dfs -du /user/student3\_10/avro  
 hdfs dfs -du -h /user/student3\_10/avro

Терминал - igor@igor-MS-7808:

```

Файл Правка Вид Терминал Вкладки Справка
igor@igor-MS-7808: ~
```

```

igor@igor-MS-7808:~$ ssh student3_10@37.139.32.56
Last login: Sat Apr 24 16:46:35 2021 from 109.252.26.235
-bash-4.2$ hdfs dfs -mkdir /user/student3_10/avro
-bash-4.2$ hdfs dfs -chmod -r 777 /user/student3_10/avro
chmod: `777': No such file or directory
-bash-4.2$ hdfs dfs -chmod 777 /user/student3_10/avro
-bash-4.2$ hdfs dfs -ls /user/student3_10/avro
-bash-4.2$ hdfs dfs -du /user/student3_10/avro
-bash-4.2$ hdfs dfs -du -h /user/student3_10/avro
-bash-4.2$ ^C
-bash-4.2$
```