

## Hive QL with transformation

swapCol7.py

```
#!/usr/bin/python
```

```
import sys
```

```
for line in sys.stdin:
```

```
    line = line.strip().split('\t')
```

```
    val1 = line[6].split(' ')
```

```
    Word1 = val1[0]
```

```
    Word2 = val1[1]
```

```
    Word3 = val1[2]
```

```
    val2 = '~'.join([Word3,Word2,Word1])
```

```
    line[6] = val2
```

```
    print '\t'.join([line[0],line[1],line[2],line[3],line[4],line[5],line[6],line[7],line[8]])
```

```
[ec2-user@ip-172-31-56-147 ~]$ cat swapCol7.py
#!/usr/bin/python
import sys

for line in sys.stdin:
    line = line.strip().split('\t')
    val1 = line[6].split(' ')
    Word1 = val1[0]
    Word2 = val1[1]
    Word3 = val1[2]
    val2 = '~'.join([Word3,Word2,Word1])
    line[6] = val2
    print '\t'.join([line[0],line[1],line[2],line[3],line[4],line[5],line[6],line[7],line[8]])
```

```
create table part(p_partkey int, p_name varchar(22), p_mfgr varchar(6), p_category
varchar(7), p_brand1 varchar(9), p_color varchar(11), p_type varchar(25), p_size int,
p_container varchar(10)) ROW FORMAT DELIMITED FIELDS TERMINATED BY '|' STORED AS
TEXTFILE;
```

```
hive> create table part(p_partkey int, p_name varchar(22), p_mfgr varchar(6), p_
category varchar(7), p_brand1 varchar(9), p_color varchar(11), p_type varchar(25
), p_size int, p_container varchar(10)) ROW FORMAT DELIMITED FIELDS TERMINATED B
Y '|' STORED AS TEXTFILE;
OK
Time taken: 2.097 seconds
```

```
LOAD DATA LOCAL INPATH '/home/ec2-user/part.tbl' OVERWRITE INTO TABLE part;
```

```
hive> LOAD DATA LOCAL INPATH '/home/ec2-user/part.tbl' OVERWRITE INTO TABLE part;
Loading data to table default.part
OK
Time taken: 2.136 seconds
```

```
CREATE TABLE PartSwapped(p_partkey int, p_name varchar(22), p_mfgr varchar(6),
p_category varchar(7), p_brand1 varchar(9), p_color varchar(11), p_type varchar(25), p_size
int, p_container varchar(10)) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t' STORED
AS TEXTFILE;
```

```
hive> CREATE TABLE PartSwapped(p_partkey int, p_name varchar(22), p_mfgr varchar(6), p_category varchar(7), p_brand1 varchar(9), p_color varchar(11), p_type varchar(25), p_size int, p_container varchar(10)) ROW FORMAT DELIMITED FIELDS TERMINATED BY '\t' STORED AS TEXTFILE;  
OK  
Time taken: 0.138 seconds
```

ADD FILE /home/ec2-user/swapCol7.py;

```
hive> ADD FILE /home/ec2-user/swapCol7.py;  
Added resources: [/home/ec2-user/swapCol7.py]
```

INSERT OVERWRITE TABLE PartSwapped SELECT TRANSFORM(p\_partkey, p\_name, p\_mfgr, p\_category, p\_brand1, p\_color, p\_type, p\_size, p\_container) USING 'python swapCol7.py' AS (p\_partkey, p\_name, p\_mfgr, p\_category, p\_brand1, p\_color, p\_type, p\_size, p\_container) FROM part;

```
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 0  
2020-10-10 06:01:11,293 Stage-1 map = 0%, reduce = 0%  
2020-10-10 06:01:25,555 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 6.68 sec  
MapReduce Total cumulative CPU time: 6 seconds 680 msec  
Ended Job = job_1602309155748_0004  
Stage-4 is selected by condition resolver.  
Stage-3 is filtered out by condition resolver.  
Stage-5 is filtered out by condition resolver.  
Moving data to: hdfs://localhost/user/hive/warehouse/partswapped/.hive-staging_hive_2020-10-10_06-01-02_953_4412192336129769987-1/-ext-10000  
Loading data to table default.partswapped  
MapReduce Jobs Launched:  
Stage-Stage-1: Map: 1 Cumulative CPU: 6.68 sec HDFS Read: 17146903 HDFS Write: 5400084 SUCCESS  
Total MapReduce CPU Time Spent: 6 seconds 680 msec  
OK  
Time taken: 24.087 seconds
```

select count(1) from PartSwapped;

```

Kill Command = /home/ec2-user/hadoop-2.6.4/bin/hadoop job -kill job_16023474518
58_0005
Hadoop job information for Stage-1: number of mappers: 1; number of reducers: 1
2020-10-10 16:46:35,402 Stage-1 map = 0%, reduce = 0%
2020-10-10 16:46:41,916 Stage-1 map = 100%, reduce = 0%, Cumulative CPU 1.44 se
c
2020-10-10 16:46:49,486 Stage-1 map = 100%, reduce = 100%, Cumulative CPU 2.76
sec
MapReduce Total cumulative CPU time: 2 seconds 760 msec
Ended Job = job_1602347451858_0005
MapReduce Jobs Launched:
Stage-Stage-1: Map: 1 Reduce: 1 Cumulative CPU: 2.76 sec HDFS Read: 1694882
0 HDFS Write: 7 SUCCESS
Total MapReduce CPU Time Spent: 2 seconds 760 msec
OK
200000
Time taken: 25.664 seconds, Fetched: 1 row(s)

```

## Original Data

199959	forest goldenrod	MFGR#1	MFGR#12	MFGR#128	slate	LARGE PLATED NICKEL	16	JUMBO BOX
199960	lemon gainsboro	MFGR#5	MFGR#55	MFGR#555	papaya	SMALL ANODIZED COPPER	33	WRAP BOX
199961	cornsilk chartreuse	MFGR#2	MFGR#22	MFGR#2238	azure	ECONOMY BURNISHED STEEL	6	SM BAG
199962	cornflower orange	MFGR#4	MFGR#42	MFGR#4220	ivory	LARGE BRUSHED COPPER	15	JUMBO BAG
199963	royal floral	MFGR#2	MFGR#24	MFGR#2424	lace	PROMO POLISHED BRASS	34	LG PACK
199964	burlywood blush	MFGR#3	MFGR#33	MFGR#3324	peru	STANDARD POLISHED TIN	10	JUMBO BAG
199965	navajo saddle	MFGR#1	MFGR#13	MFGR#1313	violet	ECONOMY ANODIZED BRASS	36	SM CAN
199966	firebrick frosted	MFGR#5	MFGR#53	MFGR#5328	orange	MEDIUM PLATED NICKEL	18	MED CASE
199967	blanched tomato	MFGR#4	MFGR#45	MFGR#4529	pale	LARGE ANODIZED COPPER	21	MED PKG
199968	moccasin peru	MFGR#3	MFGR#34	MFGR#3416	magenta	STANDARD BURNISHED NICKEL	21	MED DRUM
199969	sky dark	MFGR#3	MFGR#32	MFGR#3234	sienna	LARGE PLATED STEEL	4	SM BAG
199970	firebrick lemon	MFGR#4	MFGR#41	MFGR#4118	midnight	MEDIUM ANODIZED BRASS	41	MED CAN
199971	lavender magenta	MFGR#2	MFGR#24	MFGR#2422	spring	PROMO ANODIZED STEEL	10	SM BAG
199972	orange blue	MFGR#2	MFGR#22	MFGR#2230	peru	SMALL PLATED TIN	29	LG PKG
199973	firebrick dim	MFGR#1	MFGR#15	MFGR#1531	beige	STANDARD BRUSHED COPPER	46	SM PACK
199974	chartreuse sienna	MFGR#4	MFGR#41	MFGR#4126	plum	LARGE PLATED NICKEL	41	SM CASE
199975	navajo azure	MFGR#4	MFGR#44	MFGR#4438	snow	MEDIUM PLATED COPPER	42	SM BOX
199976	snow midnight	MFGR#4	MFGR#44	MFGR#445	light	LARGE PLATED NICKEL	30	JUMBO PACK
199977	lime magenta	MFGR#1	MFGR#15	MFGR#1516	mint	LARGE POLISHED COPPER	32	SM JAR
199978	orange wheat	MFGR#4	MFGR#44	MFGR#4416	linen	STANDARD BURNISHED NICKEL	50	MED BAG
199979	cornsilk sandy	MFGR#2	MFGR#21	MFGR#2111	sienna	MEDIUM ANODIZED STEEL	14	WRAP BOX
199980	medium pink	MFGR#3	MFGR#31	MFGR#3111	cream	LARGE BURNISHED NICKEL	27	MED CAN
199981	bisque sky	MFGR#4	MFGR#44	MFGR#4428	lime	LARGE BURNISHED BRASS	46	LG PACK
199982	antique brown	MFGR#5	MFGR#51	MFGR#514	blue	STANDARD BURNISHED TIN	34	SM CASE
199983	green cream	MFGR#4	MFGR#43	MFGR#433	blanched	STANDARD BRUSHED COPPER	27	SM JAR
199984	navajo rose	MFGR#3	MFGR#31	MFGR#3119	mint	MEDIUM BRUSHED COPPER	11	LG CAN
199985	smoke gainsboro	MFGR#3	MFGR#32	MFGR#3229	honeydew	LARGE ANODIZED NICKEL	14	JUMBO CASE
199986	khaki dodger	MFGR#5	MFGR#52	MFGR#5222	white	MEDIUM BRUSHED NICKEL	19	SM CAN
199987	dodger peru	MFGR#1	MFGR#13	MFGR#1316	saddle	SMALL ANODIZED STEEL	4	MED BAG
199988	burnished coral	MFGR#3	MFGR#33	MFGR#3314	medium	ECONOMY PLATED NICKEL	10	LG PKG
199989	medium mint	MFGR#4	MFGR#41	MFGR#4133	indian	ECONOMY PLATED TIN	11	JUMBO DRUM
199990	metallic cornsilk	MFGR#2	MFGR#23	MFGR#2319	pale	PROMO ANODIZED TIN	40	MED BOX
199991	mint navajo	MFGR#3	MFGR#31	MFGR#3114	steel	ECONOMY PLATED BRASS	48	SM DRUM
199992	cream hot	MFGR#1	MFGR#13	MFGR#131	cornsilk	ECONOMY POLISHED STEEL	22	MED DRUM
199993	magenta grey	MFGR#3	MFGR#33	MFGR#3326	orange	ECONOMY POLISHED COPPER	28	LG BAG
199994	aquamarine chiffon	MFGR#1	MFGR#14	MFGR#1414	frosted	LARGE BRUSHED COPPER	32	MED CAN
199995	dodger magenta	MFGR#4	MFGR#45	MFGR#458	blanched	PROMO POLISHED TIN	50	WRAP CAN
199996	steel cyan	MFGR#4	MFGR#44	MFGR#4418	chocolate	PROMO PLATED COPPER	11	MED PACK
199997	azure snow	MFGR#4	MFGR#44	MFGR#4426	drab	PROMO PLATED NICKEL	37	SM DRUM
199998	misty plum	MFGR#5	MFGR#55	MFGR#5512	peach	MEDIUM BURNISHED BRASS	49	LG BOX
199999	azure cream	MFGR#5	MFGR#52	MFGR#5235	medium	PROMO PLATED BRASS	24	LG CASE
200000	light midnight	MFGR#5	MFGR#52	MFGR#5223	firebrick	MEDIUM ANODIZED TIN	22	LG CAN

## Transformed Data

```
select * from PartSwapped;
```

```

199959 forest goldenrod MFGR#1 MFGR#12 MFGR#128 slate NICKEL-PLATED-LARGE 16 JUMBO BOX
199960 lemon gainsboro MFGR#5 MFGR#55 MFGR#555 papaya COPPER-ANODIZED-SMALL 33 WRAP BOX
199961 cornsilk chartreuse MFGR#2 MFGR#22 MFGR#2238 azure STEEL-BURNISHED-ECONOMY 6 SM BAG
199962 cornflower orange MFGR#4 MFGR#42 MFGR#4220 ivory COPPER-BRUSHED-LARGE 15 JUMBO BAG
199963 royal floral MFGR#2 MFGR#24 MFGR#2424 lace BRASS-POLISHED-PROMO 34 LG PACK
199964 burlywood blush MFGR#3 MFGR#33 MFGR#3324 peru TIN-POLISHED-STANDARD 10 JUMBO BAG
199965 navajo saddle MFGR#1 MFGR#13 MFGR#1313 violet BRASS-ANODIZED-ECONOMY 36 SM CAN
199966 firebrick frosted MFGR#5 MFGR#53 MFGR#5328 orange NICKEL-PLATED-MEDIUM 18 MED CASE
199967 blanched tomato MFGR#4 MFGR#45 MFGR#4529 pale COPPER-ANODIZED-LARGE 21 MED PKG
199968 moccasin peru MFGR#3 MFGR#34 MFGR#3416 magenta NICKEL-BURNISHED-STANDARD 21 MED DRUM
199969 sky dark MFGR#3 MFGR#32 MFGR#3234 sienna STEEL-PLATED-LARGE 4 SM BAG
199970 firebrick lemon MFGR#4 MFGR#41 MFGR#4118 midnight BRASS-ANODIZED-MEDIUM 41 MED CAN
199971 lavender magenta MFGR#2 MFGR#24 MFGR#2422 spring STEEL-ANODIZED-PROMO 10 SM BAG
199972 orange blue MFGR#2 MFGR#22 MFGR#2230 peru TIN-PLATED-SMALL 29 LG PKG
199973 firebrick dim MFGR#1 MFGR#15 MFGR#1531 beige COPPER-BRUSHED-STANDARD 46 SM PACK
199974 chartreuse sienna MFGR#4 MFGR#41 MFGR#4126 plum NICKEL-PLATED-LARGE 41 SM CASE
199975 navajo azure MFGR#4 MFGR#44 MFGR#4438 snow COPPER-PLATED-MEDIUM 42 SM BOX
199976 snow midnight MFGR#4 MFGR#44 MFGR#445 light NICKEL-PLATED-LARGE 30 JUMBO PACK
199977 lime magenta MFGR#1 MFGR#15 MFGR#1516 mint COPPER-POLISHED-LARGE 32 SM JAR
199978 orange wheat MFGR#4 MFGR#44 MFGR#4416 linen NICKEL-BURNISHED-STANDARD 50 MED BAG
199979 cornsilk sandy MFGR#2 MFGR#21 MFGR#2111 sienna STEEL-ANODIZED-MEDIUM 14 WRAP BOX
199980 medium pink MFGR#3 MFGR#31 MFGR#3111 cream NICKEL-BURNISHED-LARGE 27 MED CAN
199981 bisque sky MFGR#4 MFGR#44 MFGR#4428 lime BRASS-BURNISHED-LARGE 46 LG PACK
199982 antique brown MFGR#5 MFGR#51 MFGR#514 blue TIN-BURNISHED-STANDARD 34 SM CASE
199983 green cream MFGR#4 MFGR#43 MFGR#433 blanched COPPER-BRUSHED-STANDARD 27 SM JAR
199984 navajo rose MFGR#3 MFGR#31 MFGR#3119 mint COPPER-BRUSHED-MEDIUM 11 LG CAN
199985 smoke gainsboro MFGR#3 MFGR#32 MFGR#3229 honeydew NICKEL-ANODIZED-LARGE 14 JUMBO CASE
199986 khaki dodger MFGR#5 MFGR#52 MFGR#5222 white NICKEL-BRUSHED-MEDIUM 19 SM CAN
199987 dodger peru MFGR#1 MFGR#13 MFGR#1316 saddle STEEL-ANODIZED-SMALL 4 MED BAG
199988 burnished coral MFGR#3 MFGR#33 MFGR#3314 medium NICKEL-PLATED-ECONOMY 10 LG PKG
199989 medium mint MFGR#4 MFGR#41 MFGR#4133 indian TIN-PLATED-ECONOMY 11 JUMBO DRUM
199990 metallic cornsilk MFGR#2 MFGR#23 MFGR#2319 pale TIN-ANODIZED-PROMO 40 MED BOX
199991 mint navajo MFGR#3 MFGR#31 MFGR#3114 steel BRASS-PLATED-ECONOMY 48 SM DRUM
199992 cream hot MFGR#1 MFGR#13 MFGR#131 cornsilk STEEL-POLISHED-ECONOMY 22 MED DRUM
199993 magenta grey MFGR#3 MFGR#33 MFGR#3326 orange COPPER-POLISHED-ECONOMY 28 LG BAG
199994 aquamarine chiffon MFGR#1 MFGR#14 MFGR#1414 frosted COPPER-BRUSHED-LARGE 32 MED CAN
199995 dodger magenta MFGR#4 MFGR#45 MFGR#458 blanched TIN-POLISHED-PROMO 50 WRAP CAN
199996 steel cyan MFGR#4 MFGR#44 MFGR#4418 chocolate COPPER-PLATED-PROMO 11 MED PACK
199997 azure snow MFGR#4 MFGR#44 MFGR#4426 drab NICKEL-PLATED-PROMO 37 SM DRUM
199998 misty plum MFGR#5 MFGR#55 MFGR#5512 peach BRASS-BURNISHED-MEDIUM 49 LG BOX
199999 azure cream MFGR#5 MFGR#52 MFGR#5235 medium BRASS-PLATED-PROMO 24 LG CASE
200000 light midnight MFGR#5 MFGR#52 MFGR#5223 firebrick TIN-ANODIZED-MEDIUM 22 LG CAN
Time taken: 0.146 seconds, Fetched: 200000 row(s)

```

## Problem 5

### VehicleData

```

VehicleData = LOAD '/user/ec2-user/vehicles.csv' USING PigStorage(',')
AS (barrels08:FLOAT, barrelsA08:FLOAT, charge120:FLOAT, charge240:FLOAT, city08:FLOAT);

```

```

grunt> VehicleData = LOAD '/user/ec2-user/vehicles.csv' USING PigStorage(',')
>> AS (barrels08:FLOAT, barrelsA08:FLOAT, charge120:FLOAT, charge240:FLOAT, city
08:FLOAT);
2020-10-10 00:29:02,859 [main] INFO org.apache.hadoop.conf.Configuration.deprec
ation - fs.default.name is deprecated. Instead, use fs.defaultFS

```

### Describe VehicleData

```

grunt> DESCRIBE VehicleData;
VehicleData: {barrels08: float,barrelsA08: float,charge120: float,charge240: flo
at,city08: float}

```

## Count records

```
VehicleG = GROUP VehicleData ALL;
```

```
Count = FOREACH VehicleG GENERATE COUNT(VehicleData);
DUMP Count;
```

```
Job DAG:
job_1602289220187_0001

2020-10-10 00:39:23,235 [main] INFO org.apache.hadoop.yarn.client.RMProxy - Connecting to Resource
Manager at localhost/127.0.0.1:8032
2020-10-10 00:39:23,248 [main] INFO org.apache.hadoop.mapred.ClientServiceDelegate - Application s
tate is completed. FinalApplicationStatus=SUCCEEDED. Redirecting to job history server
2020-10-10 00:39:23,322 [main] INFO org.apache.hadoop.yarn.client.RMProxy - Connecting to Resource
Manager at localhost/127.0.0.1:8032
2020-10-10 00:39:23,336 [main] INFO org.apache.hadoop.mapred.ClientServiceDelegate - Application s
tate is completed. FinalApplicationStatus=SUCCEEDED. Redirecting to job history server
2020-10-10 00:39:23,401 [main] INFO org.apache.hadoop.yarn.client.RMProxy - Connecting to Resource
Manager at localhost/127.0.0.1:8032
2020-10-10 00:39:23,410 [main] INFO org.apache.hadoop.mapred.ClientServiceDelegate - Application s
tate is completed. FinalApplicationStatus=SUCCEEDED. Redirecting to job history server
2020-10-10 00:39:23,500 [main] WARN org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.M
apReduceLauncher - Encountered Warning FIELD_DISCARDED_TYPE_CONVERSION_FAILED 5 time(s).
2020-10-10 00:39:23,500 [main] INFO org.apache.pig.backend.hadoop.executionengine.mapReduceLayer.M
apReduceLauncher - Success!
2020-10-10 00:39:23,502 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - fs.default.
name is deprecated. Instead, use fs.defaultFS
2020-10-10 00:39:23,510 [main] INFO org.apache.pig.data.SchemaTupleBackend - Key [pig.schematuple]
was not set... will not generate code.
2020-10-10 00:39:23,540 [main] INFO org.apache.hadoop.mapreduce.lib.input.FileInputFormat - Total
input paths to process : 1
2020-10-10 00:39:23,542 [main] INFO org.apache.pig.backend.hadoop.executionengine.util.MapRedUtil
- Total input paths to process : 1
(34174)
```

### ThreeColExtract

```
ThreeCol = FOREACH VehicleData GENERATE barrels08, city08, charge120;
```

```
STORE ThreeCol into 'ThreeColOut' USING PigStorage(',');
```

```
Output(s):
Successfully stored 34175 records (627867 bytes) in: "hdfs://localhost/user/ec2-
user/ThreeColOut"

Counters:
Total records written : 34175
Total bytes written : 627867
Spillable Memory Manager spill count : 0
Total bags proactively spilled: 0
Total records proactively spilled: 0

Job DAG:
job_1602353051181_0004

2020-10-10 18:33:46,810 [main] INFO org.apache.hadoop.yarn.client.RMProxy - Con
necting to ResourceManager at localhost/127.0.0.1:8032
2020-10-10 18:33:46,816 [main] INFO org.apache.hadoop.mapred.ClientServiceDeleg
ate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Redirect
ing to job history server
2020-10-10 18:33:46,885 [main] INFO org.apache.hadoop.yarn.client.RMProxy - Con
necting to ResourceManager at localhost/127.0.0.1:8032
2020-10-10 18:33:46,895 [main] INFO org.apache.hadoop.mapred.ClientServiceDeleg
ate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Redirect
```



## File Directory

hadoop fs -ls /user/ec2-user/ThreeColOut

```
[ec2-user@ip-172-31-56-147 pig-0.15.0]$ hadoop fs -ls /user/ec2-user/ThreeColOut
Found 2 items
-rw-r--r-- 1 ec2-user supergroup 0 2020-10-10 18:33 /user/ec2-user/ThreeColOut/_SUCCESS
-rw-r--r-- 1 ec2-user supergroup 627867 2020-10-10 18:33 /user/ec2-user/ThreeColOut/part-m-00000
```

## Creating new dataset

```
VehicleDataThree = LOAD '/user/ec2-user/vehicles.csv' USING PigStorage(',')
AS (barrels08:FLOAT, charge120:FLOAT, city08:FLOAT);
```

```
grunt> VehicleDataThree = LOAD '/user/ec2-user/vehicles.csv' USING PigStorage(',')
>> AS (barrels08:FLOAT, charge120:FLOAT, city08:FLOAT);
2020-10-10 00:47:04,721 [main] INFO org.apache.hadoop.conf.Configuration.deprecation - fs.default.name is deprecated. Instead, use fs.defaultFS
```

DESCRIBE VehicleDataThree;

```
grunt> DESCRIBE VehicleDataThree;
VehicleDataThree: {barrels08: float,charge120: float,city08: float}
```

```
STORE VehicleDataThree INTO 'VehicleDataThree'
USING PigStorage ('_');
```

## File Directory

hadoop fs -ls /user/ec2-user/VehicleDataThree

```
[ec2-user@ip-172-31-56-147 ~]$ hadoop fs -ls /user/ec2-user/VehicleDataThree
Found 2 items
-rw-r--r-- 1 ec2-user supergroup 0 2020-10-10 00:50 /user/ec2-user/VehicleDataThree/_SUCCESS
-rw-r--r-- 1 ec2-user supergroup 598597 2020-10-10 00:50 /user/ec2-user/VehicleDataThree/part-m-00000
```

## Count records

```
grouped = GROUP VehicleDataThree ALL;
VehicleDataThreeCount = FOREACH grouped GENERATE COUNT(VehicleDataThree);
DUMP VehicleDataThreeCount;
```

```

necting to ResourceManager at localhost/127.0.0.1:8032
2020-10-10 18:26:28,557 [main] INFO org.apache.hadoop.mapred.ClientServiceDeleg
ate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Redirect
ing to job history server
2020-10-10 18:26:28,613 [main] INFO org.apache.hadoop.yarn.client.RMPProxy - Con
necting to ResourceManager at localhost/127.0.0.1:8032
2020-10-10 18:26:28,618 [main] INFO org.apache.hadoop.mapred.ClientServiceDeleg
ate - Application state is completed. FinalApplicationStatus=SUCCEEDED. Redirect
ing to job history server
2020-10-10 18:26:28,657 [main] WARN org.apache.pig.backend.hadoop.executionengi
ne.mapReduceLayer.MapReduceLauncher - Encountered Warning FIELD_DISCARDED_TYPE_C
ONVERSION_FAILED 3 time(s).
2020-10-10 18:26:28,658 [main] INFO org.apache.pig.backend.hadoop.executionengi
ne.mapReduceLayer.MapReduceLauncher - Success!
2020-10-10 18:26:28,658 [main] INFO org.apache.hadoop.conf.Configuration.deprec
ation - fs.default.name is deprecated. Instead, use fs.defaultFS
2020-10-10 18:26:28,659 [main] INFO org.apache.pig.data.SchemaTupleBackend - Ke
y [pig.schematuple] was not set... will not generate code.
2020-10-10 18:26:28,667 [main] INFO org.apache.hadoop.mapreduce.lib.input.FileI
nputFormat - Total input paths to process : 1
2020-10-10 18:26:28,667 [main] INFO org.apache.pig.backend.hadoop.executionengi
ne.util.MapRedUtil - Total input paths to process : 1
(34174)

```

## One Column

OneCol = FOREACH VehicleData GENERATE barrels08;

```

grunt> OneCol = FOREACH VehicleData GENERATE barrels08;
2020-10-10 00:53:39,511 [main] INFO org.apache.hadoop.conf.Configuration.deprec
ation - fs.default.name is deprecated. Instead, use fs.defaultFS
grunt> DESCRIBE OneCol
OneCol: {barrels08: float}

```

STORE OneCol INTO 'OneCol'  
USING PigStorage ('\_');

```

[ec2-user@ip-172-31-56-147 ~]$ hadoop fs -ls /user/ec2-user/OneCol
Found 2 items
-rw-r--r-- 1 ec2-user supergroup 0 2020-10-10 00:56 /user/ec2-user/OneCol/_SUCCESS
-rw-r--r-- 1 ec2-user supergroup 320609 2020-10-10 00:56 /user/ec2-user/OneCol/part-m-00000

```