

1) *****Create Table called olympics and load data from hdfs*****

```
CREATE EXTERNAL TABLE IF NOT EXISTS olympics (Year string, City string, Sport string
, Discipline string, Athlete string, Country string, Gender string, Event string, Medal string)
ROW FORMAT SERDE 'org.apache.hadoop.hive.serde2.OpenCSVSerde'
WITH SERDEPROPERTIES ( "separatorChar" = ",", "quoteChar" = "\"", "escapeChar" = "\\" )
STORED AS TEXTFILE
LOCATION '/olympics'
TBLPROPERTIES ("skip.header.line.count"="1") ;
```

Question 1) Find the total number of bronze medals won by each country in Football.

```
select Country, count(Medal) as Meda1, Medal from olympics where Sport=='Football' and
Medal=='Bronze' group by Country, Medal;
```

```
Total MapReduce CPU Time Spent: 7 seconds 700 msec
OK
country medal    medal
BEL      11      Bronze
BRA      36      Bronze
BUL      14      Bronze
CAN      20      Bronze
CHI      18      Bronze
DEN      14      Bronze
EUA      19      Bronze
FRG      20      Bronze
GDR      17      Bronze
GER      53      Bronze
GHA      13      Bronze
HUN      17      Bronze
ITA      39      Bronze
JPN      16      Bronze
KOR      18      Bronze
NED      36      Bronze
NOR      32      Bronze
SWE      34      Bronze
URS      53      Bronze
USA      12      Bronze
YUG      17      Bronze
Time taken: 25.491 seconds, Fetched: 21 row(s)
hive>
```

Question 2) Find the number of Medals won by USA grouped by sport

select Count(Medal) as Medal,country,sport from olympics where Country=='USA' group by Sport,country;

```
OK
medal  country sport
1184   USA    Aquatics
55     USA    Archery
994    USA    Athletics
68     USA    Baseball
318    USA    Basketball
111    USA    Boxing
21     USA    Canoe / Kayak
66     USA    Cycling
121    USA    Equestrian
52     USA    Fencing
132    USA    Football
27     USA    Golf
178    USA    Gymnastics
28     USA    Hockey
11     USA    Ice Hockey
1      USA    Jeu de paume
12     USA    Judo
13     USA    Lacrosse
17     USA    Modern Pentathlon
9      USA    Polo
3      USA    Roque
364    USA    Rowing
46     USA    Rugby
139    USA    Sailing
190    USA    Shooting
1      USA    Skating
60     USA    Softball
8      USA    Taekwondo
54     USA    Tennis
1      USA    Triathlon
15     USA    Tug of War
114    USA    Volleyball
43     USA    Weightlifting
129    USA    Wrestling
Time taken: 23.465 seconds, Fetched: 34 row(s)
hive>
```

Question 3) Find the total number of medals won by each country displayed by type of medal.

```
select Country,Medal,Count(Medal) as Count from olympics group by Medal,country;
```

```
OK
country medal    count
      Gold      2
      Silver    2
AFG      Bronze    2
AHO      Silver    1
ALG      Bronze    8
ALG      Gold      5
ALG      Silver    2
ANZ      Bronze    5
ANZ      Gold     20
ANZ      Silver    4
ARG      Bronze   91
ARG      Gold     69
ARG      Silver   99
ARM      Bronze    8
ARM      Gold      1
ARM      Silver    2
AUS      Bronze  472
AUS      Gold    312
AUS      Silver  405
AUT      Bronze   44
AUT      Gold     21
AUT      Silver   81
AZE      Bronze   15
AZE      Gold      6
AZE      Silver    5
BAH      Bronze    5
BAH      Gold     13
BAH      Silver    9
BAR      Bronze    1
BDI      Gold      1
BEL      Bronze  152
BEL      Gold     91
BEL      Silver  168
BER      Bronze    1
BLR      Bronze   59
BLR      Gold     17
```

BER	Bronze	1
BLR	Bronze	59
BLR	Gold	17
BLR	Silver	37
BOH	Bronze	6
BOH	Silver	1
BOT	Silver	1
BRA	Bronze	185
BRA	Gold	73
BRA	Silver	173
BRN	Bronze	1
BUL	Bronze	137
BUL	Gold	53
BUL	Silver	143
BWI	Bronze	5
CAN	Bronze	262
CAN	Gold	155
CAN	Silver	232
CHI	Bronze	21
CHI	Gold	3
CHI	Silver	9
CHN	Bronze	221
CHN	Gold	290
CHN	Silver	296
CIV	Silver	1
CMR	Bronze	2
CMR	Gold	20
CMR	Silver	1
COL	Bronze	11
COL	Gold	2
COL	Silver	6
CRC	Bronze	2
CRC	Gold	1
CRC	Silver	1
CRO	Bronze	34
CRO	Gold	46
CRO	Silver	34
CUB	Bronze	116
CUB	Gold	165

Question 4) Find how many Silver medals have been given to Mexico and the year of each

```
select Country,Medal,Count(Medal) as Count,year from olympics where Medal='Silver' and Country='MEX' group by Medal,country,year;
```

```
OK
country medal    count    year
MEX      Silver    2        1932
MEX      Silver    1        1948
MEX      Silver    1        1952
MEX      Silver    3        1968
MEX      Silver    1        1972
MEX      Silver    1        1980
MEX      Silver    3        1984
MEX      Silver    1        1992
MEX      Silver    2        2000
MEX      Silver    3        2004
MEX      Silver    5        2012
Time taken: 21.884 seconds, Fetched: 11 row(s)
hive> █
```