**1)**

**Petrol table creation:**  
  
create table petrol (distributer\_id STRING,distributer\_name  
STRING,amt\_IN STRING,amy\_OUT STRING,vol\_IN INT,vol\_OUT INT,year INT)  
row  format delimited fields terminated by ',' stored as textfile;  
  
**Loading data into table petrol;**  
  
load data local inpath "/home/cloudera/Downloads/petrol.txt" into table petrol;  
  
1.1: SELECT distributer\_name,SUM(vol\_OUT)  FROM  petrol GROUP  BY  
distributer\_name;  
  
1.2: SELECT distributer\_id,vol\_OUT FROM petrol order by vol\_OUT desc limit 10;  
  
1.3: SELECT distributer\_id,vol\_OUT FROM petrol order by vol\_OUT limit 10;  
  
1.4: SELECT distributer\_id,distributer\_name as ILLEGAL\_Distributer  
from petrol where(vol\_IN-vol\_OUT)>500;  
  
1.4.1 SELECT distributer\_id,distributer\_name as LEGAL\_Distributer  
from petrol where (vol\_IN-vol\_OUT)<500;  
  
  
  
**2)**

**Olympic Table creation:**  
  
create table olympic(athelete STRING,age INT,country STRING,year  
STRING,closing STRING,sport STRING,gold INT,silver INT,bronze  
INT,total INT) row format delimited fields terminated by '\t' stored  
as textfile;  
  
 **Loading data into table olympic:**  
  
--> load data local inpath "/home/cloudera/Downloads/olympic\_data.csv"  
into table olympic;  
  
  
2.1: select country,SUM(total) Total\_medals from olympic where sport =  
 'Swimming' GROUP BY country;  
2.2: select year,SUM(total) Total\_medals from olympicwhere country =  
'India' GROUP BY year;  
2.3: select country,SUM(total) as Total\_medals from olympic GROUP BY country;  
2.4: select country ,SUM(gold) as Total\_gold from Olympic group by country;  
2.5: SELECT country,year,SUM(gold)as GOLD,SUM(silver)as Silver  
,SUM(bronze) as Bronze ,SUM(total) as Total from olympic where sport  
='Shooting' group by country,year;  
  
**3)**

**Create Movie ,user ,rating table**

**3.1: create movie,users,ratings table**

**Movie Table:**  
Create table movie (movie\_id INT,title STRING,generes STRING) row  
format delimeted field terminated by ',' stored as textfile;  
  
**user table:**create table user(user\_id INT,gender STRING,unknown INT,occupation  
INT,zip\_code INT) row format delimeted field terminated by ',' stored  
as textfile;  
  
**Rating:**  
create table rating(suer\_id INT,movie\_id INT,ratings DOUBLE,timestamp  
TIMESTAMP) row format delimeted field terminated by ',' stored as  
textfile;  
  
**3.2:** select title ,genres from movie where (genres like '%Action%' and  
genres like '%Drama%');  
  
**3.3**:select mo.title,mo.movie\_id,ra.ratings from movie mo join rating  
ra on  mo.movie\_id = ra.movie\_id and ra.ratings =5;  
  
**3.4**: select mo.title,mo.movie\_id,ra.ratings from movie mo join rating  
ra on  (mo.movie\_id = ra.movie\_id) order by ra.ratings desc limit 11;  
  
  
Bonus : select mo.title,mo.genres,ra.ratings ,us.gender from movie mo  
join rating ra on mo.movie\_id = ra.movie\_id JOIN User us  
on ra.suer\_id = us.user\_id and us.gender like '%M%'  
where (mo.genres like '%Action%' or mo.genres like '%Drama%') AND  
ra.ratings between 4.4 and 4.9 order by ra.ratings asc;