Hiveql code

**Table Creation - Firedept**

DROP TABLE firedept;

CREATE EXTERNAL TABLE IF NOT EXISTS

firedept(Call\_Number BIGINT,Incident\_Number INT,Call\_Type STRING,Call\_Date DATE,Day INT,Month INT,Year INT,Call\_Final\_Disposition STRING,Address STRING,Zipcode BIGINT,Box INT,Priority INT,ALS\_Unit STRING,Number\_of\_Alarms INT,Unit\_Type STRING,Neighborhood STRING,Lattitude DOUBLE,Longitude DOUBLE)

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

tblproperties ("skip.header.line.count"="1");

LOAD DATA INPATH '/user/shannu94/firedept/firedept.csv'

OVERWRITE INTO TABLE firedept;

**Qn 1: The number of calls received by the fire department on a specific date**

CREATE TABLE qn1

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE LOCATION './Output/'

AS

select count(Call\_Number), Call\_Date from firedept where Call\_Date IS NOT NULL group by Call\_Date;

**Qn 2: The number of incidents that happened in a particular zip code**

CREATE TABLE qn2

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE LOCATION './Output1/'

AS

select count(Incident\_Number),Zipcode from firedept WHERE Incident\_Number IS NOT NULL group by Zipcode;

**Qn 3: What is the trend of each incident over the years**

CREATE TABLE qn3

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE LOCATION './Output2/'

AS

select count(call\_type), call\_type, year from firedept group by call\_type, year;

**Qn 4: The number of high priority and low priority calls received per day**

CREATE TABLE qn4

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE LOCATION './Output3/'

AS

Select count(priority), priority, call\_date from firedept group by call\_date, priority;

**Qn 5: Intensity of each incident over the geospatial locations in San Francisco**

CREATE TABLE qn5

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE LOCATION './Output4/'

AS

Select call\_type, Lattitude, Longitude, Neighborhood from firedept;

**Qn 6: Number of unit types dispatched for each incident during the year 2000 to 2004**

CREATE TABLE qn6

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE LOCATION './Output5/'

AS

Select count(unit\_type), call\_type, unit\_type from firedept group by call\_type, unit\_type;

**Qn 7: The top 10 of incidents that happened over the years**

CREATE TABLE qn7

ROW FORMAT DELIMITED FIELDS TERMINATED BY '|'

STORED AS TEXTFILE LOCATION './Output6/'

AS

Select count(call\_type), month, year, call\_type from firedept group by month,year,call\_type;