DROP TABLE IF EXISTS FIRE;

CREATE EXTERNAL TABLE IF NOT EXISTS

FIRE(Call\_Number BIGINT,Incident\_Number INT,Call\_Type STRING,Call\_Date STRING,Call\_Final\_Disposition STRING,Address STRING,Zipcode BIGINT,Box INT,Priority INT,ALS\_Unit STRING,Number\_of\_Alarms INT,Unit\_Type STRING,Neighborhood STRING,Latitude DOUBLE,Longitude DOUBLE)

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE LOCATION '/user/ianbudu/NIM/FIRE'

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

1)The number of calls received by the fire department over the 4 years period

COMMAND-

CREATE TABLE que1

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE LOCATION '/user/ianbudu/NIM/que1/'

AS

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

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

COMMAND-

CREATE TABLE que2

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE LOCATION '/user/ianbudu/NIM/que2/'

AS

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

3)What is the trend of each incident over the years?

COMMAND-

CREATE TABLE que33

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE LOCATION '/user/ianbudu/NIM/que33/'

AS

select count(call\_type), call\_type, Call\_Date from FIRE group by call\_type, Call\_Date;

4)The number of high priority and low priority calls received per day

COMMAND-

CREATE TABLE que4

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE LOCATION '/user/ianbudu/NIM/que4/'

AS

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

5)Intensity of each incident over the geospatial locations in San Francisco

COMMAND-

CREATE TABLE que5

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE LOCATION '/user/ianbudu/NIM/que5/'

AS

Select call\_type, Latitude, Longitude, Neighborhood from FIRE;

6)Number of unit types dispatched for each incident during the year 2000 to 2004

COMMAND-

CREATE TABLE que6

ROW FORMAT DELIMITED FIELDS TERMINATED BY ','

STORED AS TEXTFILE LOCATION '/user/ianbudu/NIM/que6/'

AS

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