# Solution Extraction Using PIG

1.**Loadig Data to a variable:**

Crime = Load ‘user/input/CRIME3.csv’ USING PigStorage(‘,’) as (inc\_no:int,offense:int,offense\_code:chararray,off\_descript:chararray,district:int,reporting\_area:int,occurance\_date:datetime,year:int,month:int,day:chararray, hour:int,street:chararray);

From this we can load the dataset to a particular variable by giving the correct path of the input file location and after finding the file location we save the data based on the structure we provide.

2.**Describing the dataset loaded:(Structure)**

a = describe crime;

From this query we can able to see the structure of the dataset and their respective datatypes.

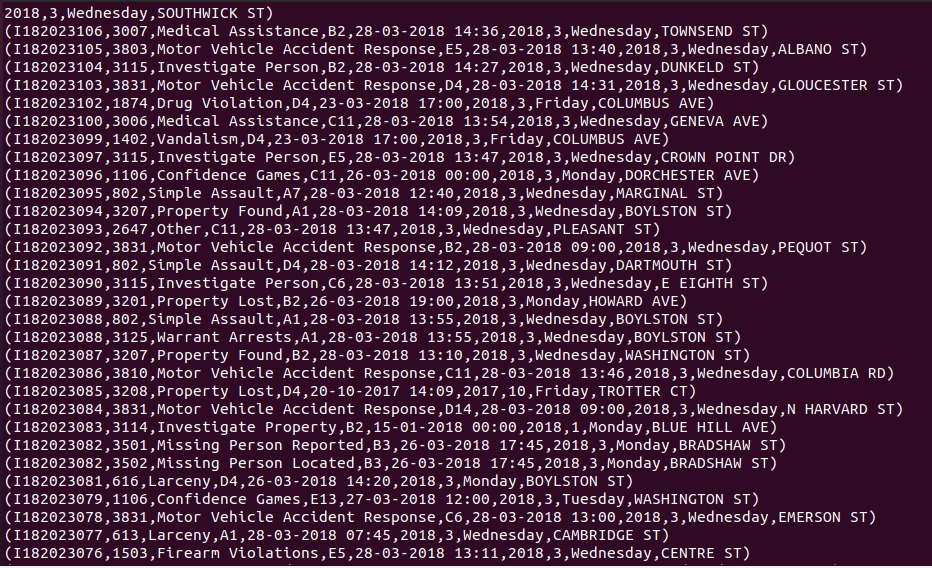
3.**Setting limit to print or to display the dataset:**

a = LIMIT crime 5;

From this we can able to print the first 5 rows of the dataset by providing the limit.

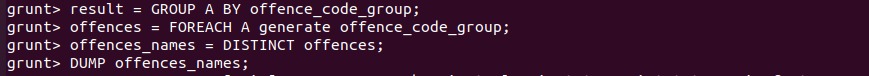
4. **Displaying the dataset:**

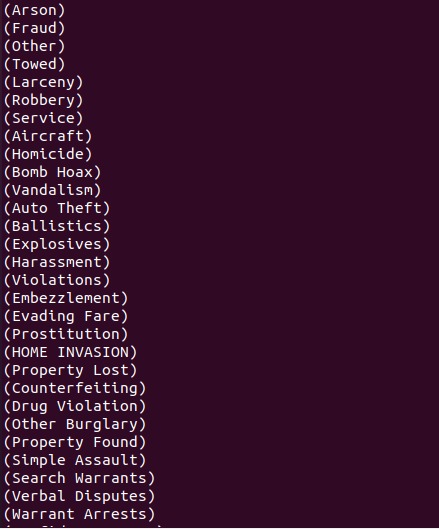
dump a;



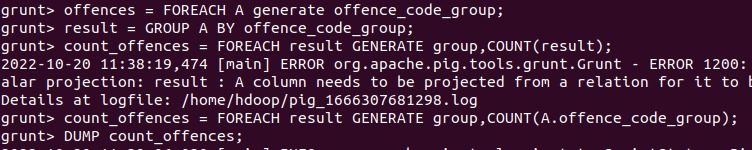
This query is able to provide or to display the data.

5. **Displaying the Offences:**



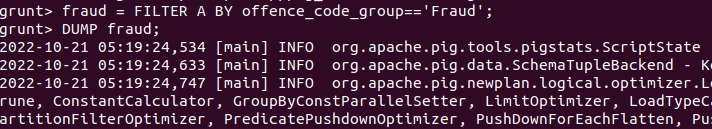


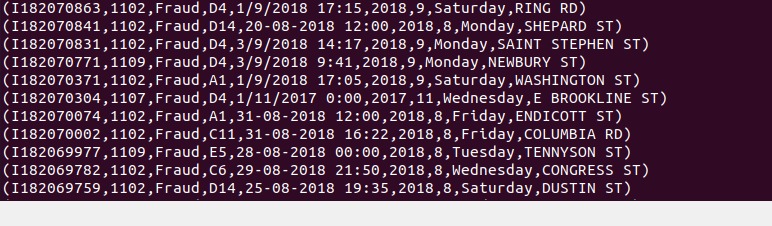
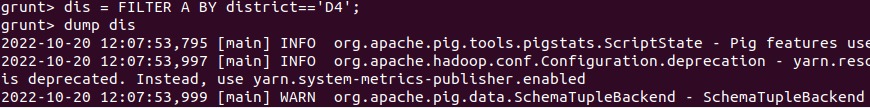
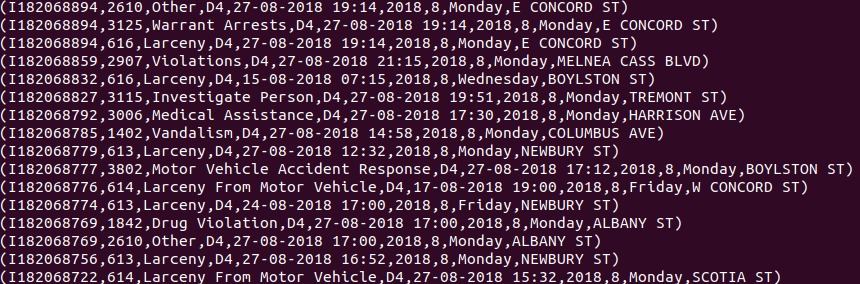
6.Displaying the occurrence of offences



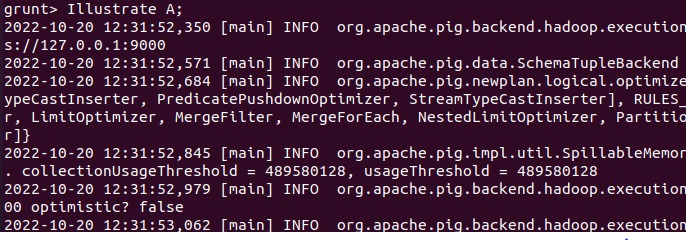


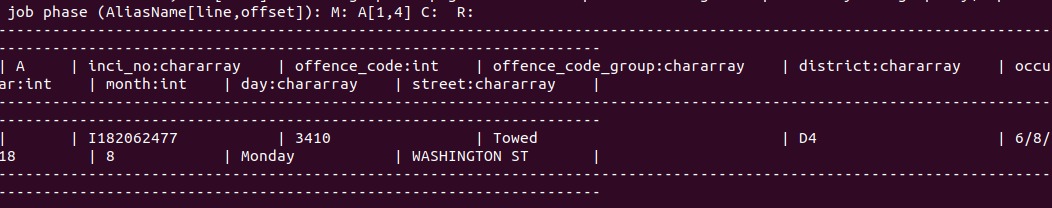
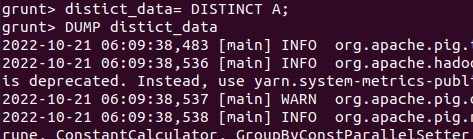


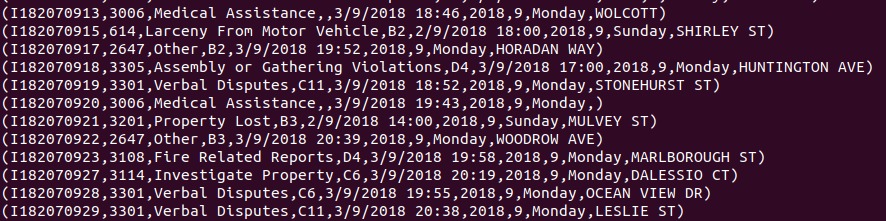
**7. Displaying the Occurrence of crime-fraud**

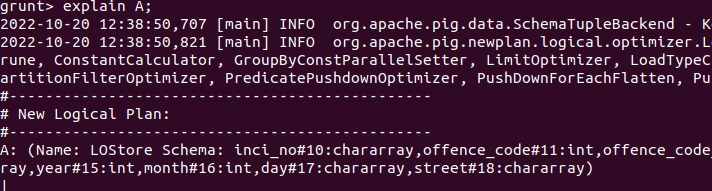
**8.Displaying the crimes in D4 district**

**9. Illustrate command**



**10.Distinct**



**11.Explain**

