*Project 1.1 - USA Crime Analysis*

//loading the dateset

load\_data = load 'USA\_Crimes.csv' Using PigStorage(',');

**1.Write a mapreduce/pig program to calculate the number of cases under each FBI code**

Script:

filter\_data = foreach load\_data generate $1,$14;

group\_by\_fbicode = group filter\_data by $1;

no\_case\_each\_fbicode = foreach group\_by\_fbicode generate group,COUNT(filter\_data);

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**2.Write a mapreduce/pig program to calculate the number of cases investigated under FBI code 32.**

Script:

filter\_load\_data = foreach load\_data generate $1,$14;

filter\_by\_fbicode = filter filter\_load\_data by $1 == 32;

group\_by\_code = group filter\_by\_fbicode by $1;

count\_case = foreach group\_by\_code generate group,COUNT(filter\_by\_fbicode);

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**3.Write a mapreduce/pig program to calculate the number of arrests in theft district wise**

Script:

filter\_load\_data = filter load\_data by $5 matches 'THEFT' and $8 matches 'true';

group\_by\_district = group filter\_load\_data by $11;

count\_theft = foreach group\_by\_district generate group,COUNT(filter\_load\_data);

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