1. **Write a pig script to find no of complaints which got timely response**

* Loading\_Main\_Data = LOAD ‘/Consumer\_Complaints’ using PigStorage (‘,’) AS

(DateRecieved:chararray,Product:chararray,Sub-Product:chararray,Issue:chararray,Sub-Issue:chararray, Consumer complaint narrative:chararray, Company public response:chararray, Company:charaaray,state:chararray,zipcode:int,submitted-via:chararray, Date sent to company:chararray, Company response to consumer:chararray, Timely response:chararray, Consumer disputed:chararray, Complaint\_ID:int);

* Complaint\_response = foreach Loading\_Main\_Data generate DateRecieved, Date sent to company, Complaint\_ID;
* response\_time = filter Complaint\_response by (Date sent to company - DateRecieved);
* Minimum\_response\_time = limit response\_time>=1;
* No\_of\_complaints = foreach Minimum\_response\_time generate Count (Minimum\_response\_time.response\_time);
* Dump No\_of\_complaints;

1. **Write a pig script to find no of complaints where consumer forum forwarded the complaint same day they received to respective company:-**

* Loading\_Main\_Data = LOAD ‘/Consumer\_Complaints’ using PigStorage (‘,’) AS

(DateRecieved:chararray,Product:chararray,Sub-Product:chararray,Issue:chararray,Sub-Issue:chararray, Consumer complaint narrative:chararray, Company public response:chararray, Company:charaaray,state:chararray,zipcode:int,submitted-via:chararray, Date sent to company:chararray, Company response to consumer:chararray, Timely response:chararray, Consumer disputed:chararray, Complaint\_ID:int);

* Complaint\_response = foreach Loading\_Main\_Data generate DateRecieved, Date sent to company,Complaint\_ID;
* response\_time = filter Complaint\_response by (Date sent to company==DateRecieved);
* No\_of\_complaints = foreach response\_time generate COUNT (Complaint\_response.Complaint\_ID);
* Dump No\_of\_complaints;

1. **Write a pig script to find list of companies toping in complaint chart (companies with maximum number of complaints):-**

* Loading\_Main\_Data = LOAD ‘/Consumer\_Complaints’ using PigStorage (‘,’) AS

(DateRecieved:chararray,Product:chararray,Sub-Product:chararray,Issue:chararray,Sub-Issue:chararray, Consumer complaint narrative:chararray, Company public response:chararray, Company:charaaray,state:chararray,zipcode:int,submitted-via:chararray, Date sent to company:chararray, Company response to consumer:chararray, Timely response:chararray, Consumer disputed:chararray, Complaint\_ID:int);

* Company\_Complaint = foreach Loading\_Main\_Data generate Company,Complaint\_ID;
* Grouping\_for\_Complaint = group Company\_Complaint by Company;
* Group\_Total = foreach Grouping\_for\_Complaint generate group, COUNT (Grouping\_for\_Complaint. Company);
* Maximum\_Complaint = foreach Group\_Total generate Company;
* dump Maximum\_Complaint;

1. **Write a pig script to find no of complaints filed with product type has “ Debt collection” for the year 2015.**

* Loading\_Main\_Data = LOAD ‘/Consumer\_Complaints’ using PigStorage (‘,’) AS

DateRecieved:chararray,Product:chararray,Sub-Product:chararray,Issue:chararray,Sub-Issue:chararray, Consumer complaint narrative:chararray, Company public response:chararray, Company:charaaray,state:chararray,zipcode:int,submitted-via:chararray, Date sent to company:chararray, Company response to consumer:chararray, Timely response:chararray, Consumer disputed:chararray, Complaint\_ID:int);

* Find\_complaint = filter Loading\_Main\_Data by Product == ‘Debt’ && GetYear(DateRecieved)==2015;
* Final\_Result = foreach Find\_complaint generate Count(Find\_complaint.Complaint\_ID);
* Dump Final\_Result;