1. Concat 2) Tokenize 3) Sum 4) Min 5) Max 6) Limit 7) Store 8) Distinct 9) Flatten 10) IsEmpty



Above is the data file created.

emp = load 'employee\_details.txt' using PigStorage(',') as (empno:int, ename:chararray, sal:int, rating:int);

**CONCAT**

concat\_exp = foreach emp generate CONCAT(' ',$1);

( Amitabh Bachchan)

( Shahrukh\*Khan)

( Akshay Kumar)

( "Anubhav""Sinha")

( Pawan Kumar)

( Aamir)

( Salman)

( Ranbir)

( Katrina)

( Priyanka)

( Tushar)

( Ajay)

( Jubeen)

( Madhuri)

**tokenize**

tokenize\_data = foreach emp generate TOKENIZE(ename);

({(Amitabh),(Bachchan)})

({(Shahrukh),(Khan)})

({(Akshay),(Kumar)})

({(Anubhav),(Sinha)})

({(Pawan),(Kumar)})

({(Aamir)})

({(Salman)})

({(Ranbir)})

({(Katrina)})

({(Priyanka)})

({(Tushar)})

({(Ajay)})

({(Jubeen)})

({(Madhuri)})

**SUM**

emp\_grp = group emp by rating;

emp\_sal = foreach emp\_grp generate SUM(emp.sal),emp.ename, emp.rating;

(46500,{(Aamir),(Amitabh Bachchan),(Jubeen),(Tushar)},{(1),(1),(1),(1)})

(34500,{(Madhuri),(Ajay),(Shahrukh\*Khan),(Salman)},{(2),(2),(2),(2)})

(25000,{(Akshay Kumar),(Ranbir)},{(3),(3)})

(6000,{("Anubhav""Sinha"),(Katrina)},{(4),(4)})

(4500,{(Priyanka),(Pawan Kumar)},{(5),(5)})

**MIN**

min\_sal = foreach emp\_grp generate MIN(emp.sal),emp.ename, emp.rating;

(500,{(Aamir),(Amitabh Bachchan),(Jubeen),(Tushar)},{(1),(1),(1),(1)})

(2000,{(Madhuri),(Ajay),(Shahrukh\*Khan),(Salman)},{(2),(2),(2),(2)})

(11000,{(Akshay Kumar),(Ranbir)},{(3),(3)})

(1000,{("Anubhav""Sinha"),(Katrina)},{(4),(4)})

(2000,{(Priyanka),(Pawan Kumar)},{(5),(5)})

**MAX**

max\_sal = foreach emp\_grp generate MAX(emp.sal),emp.ename, emp.rating;

(25000,{(Aamir),(Amitabh Bachchan),(Jubeen),(Tushar)},{(1),(1),(1),(1)})

(17500,{(Madhuri),(Ajay),(Shahrukh\*Khan),(Salman)},{(2),(2),(2),(2)})

(14000,{(Akshay Kumar),(Ranbir)},{(3),(3)})

(5000,{("Anubhav""Sinha"),(Katrina)},{(4),(4)})

(2500,{(Priyanka),(Pawan Kumar)},{(5),(5)})

**LIMIT**

emp\_lim = limit emp 5;

(101,Amitabh Bachchan,20000,1)

(102,Shahrukh\*Khan,10000,2)

(103,Akshay Kumar,11000,3)

(104,"Anubhav""Sinha",5000,4)

(105,Pawan Kumar,2500,5)

**STORE**

store emp into 'empdata.txt'

**DISTINCT**

emp\_dis = distinct emp;

**FLATTEN**

emp = load 'employee\_details.txt' AS (value:chararray);

emp = foreach emp generate FLATTEN(value);

(101,Amitabh Bachchan,20000,1)

(102,Shahrukh\*Khan,10000,2)

(103,Akshay Kumar,11000,3)

(104,"Anubhav""Sinha",5000,4)

(105,Pawan Kumar,2500,5)

(106,Aamir,25000,1)

(107,Salman,17500,2)

(108,Ranbir,14000,3)

(109,Katrina,1000,4)

(110,Priyanka,2000,5)

(111,Tushar,500,1)

(112,Ajay,5000,2)

(113,Jubeen,1000,1)

(114,Madhuri,2000,2)