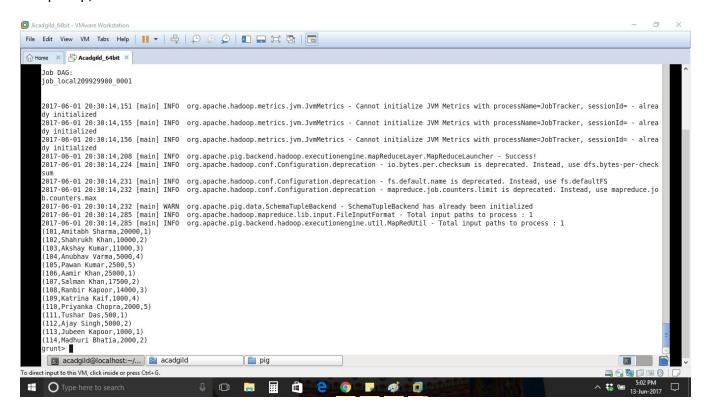
### **Assignment 8.2**

# Employee\_details file getting loaded

emp = LOAD 'employee\_details' USING PigStorage(',') AS (emp\_id:int, emp\_name:chararray,
emp\_salary:int);

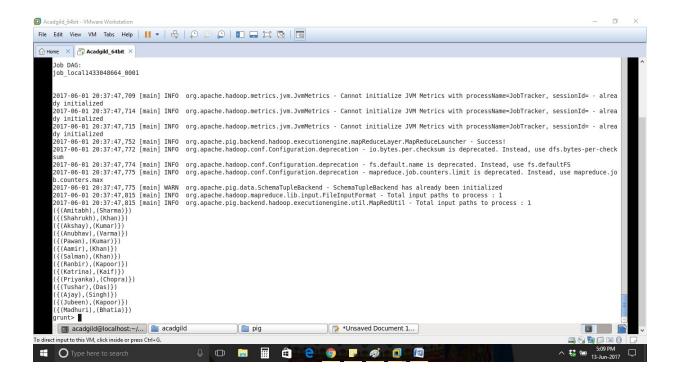
### dump emp;



# 8.2.1 TOKENIZE

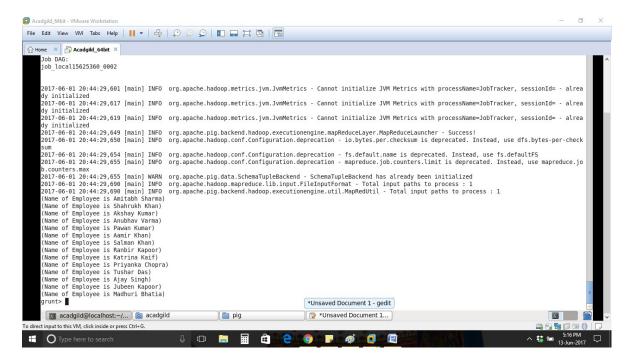
emp name tokenize = foreach emp generate TOKENIZE(emp name);

dump emp\_name\_tokenize;



#### **CONCAT**

emp\_name\_detail = foreach emp generate CONCAT('Name of Employee is ' , emp\_name);
dump emp\_name\_detail;

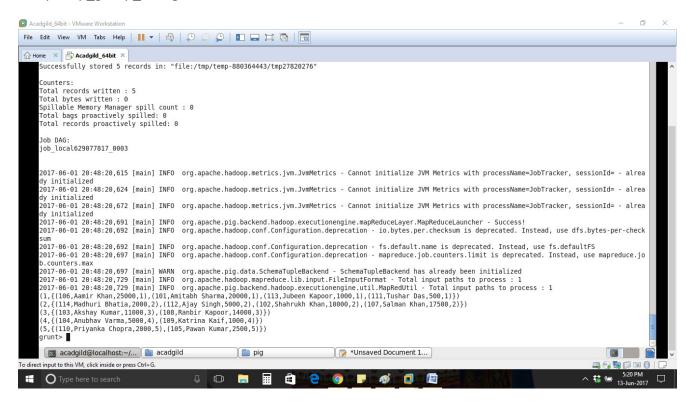


#### **SUM**

Employee details grouped by rating

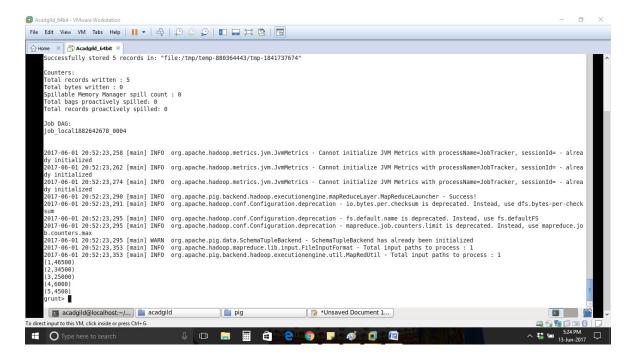
emp group rating = group emp by emp rating;

dump emp\_group\_rating;



# Sum of employee salaries grouped by rating

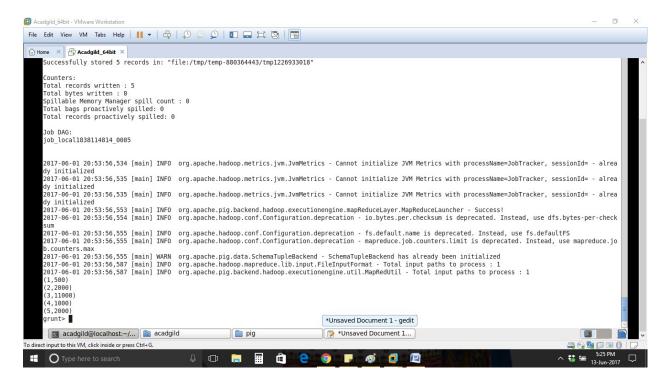
emp\_sum\_sal = foreach emp\_group\_rating generate group, SUM(emp.emp\_salary);
dump emp\_sum\_sal;



#### MIN

emp min sal = foreach emp group rating generate group, MIN(emp.emp salary);

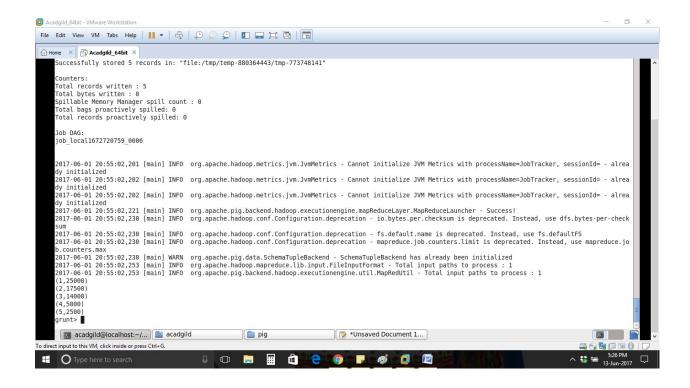
dump emp min sal;



#### MAX

emp max sal = foreach emp group rating generate group, MAX(emp.emp salary);

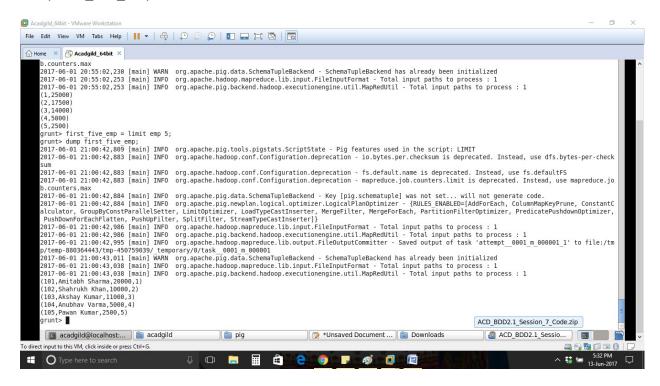
dump emp\_max\_sal;



#### LIMIT

first five emp = limit emp 5;

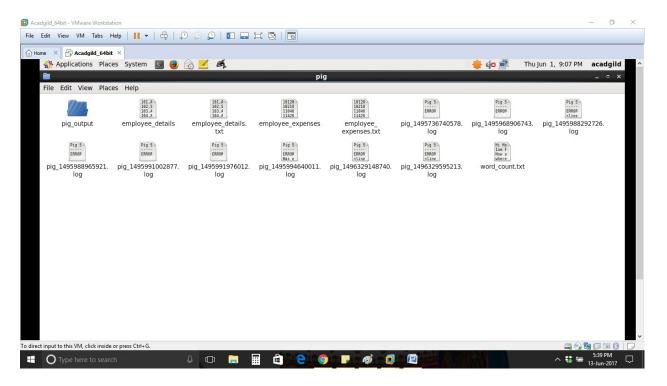
### dump first\_five\_emp;



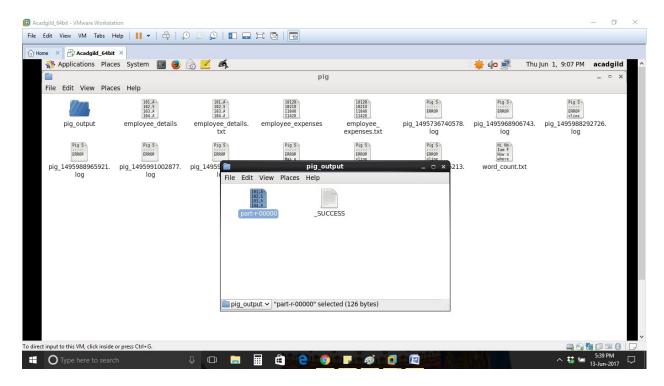
### **STORE**

store first\_five\_emp INTO './pig\_output/' USING PigStorage(',');

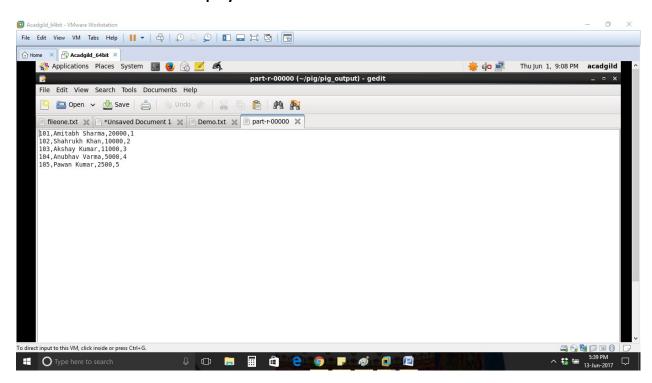
# Directory pig\_output created by STORE function



### Two files created inside the pig\_output folder



# The file contains first five employee details

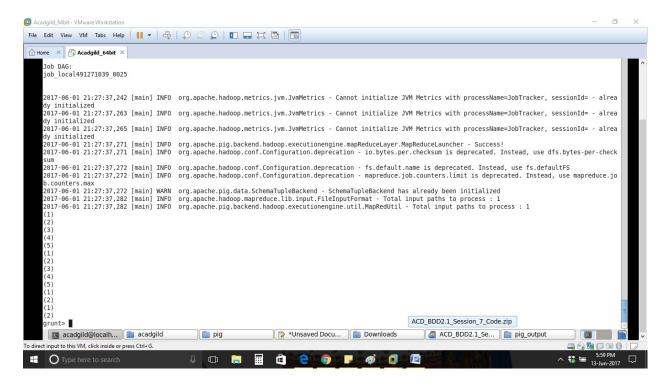


#### DISTINCT

emp\_by\_rating = foreach emp generate emp\_rating as rating;

dump emp by rating;

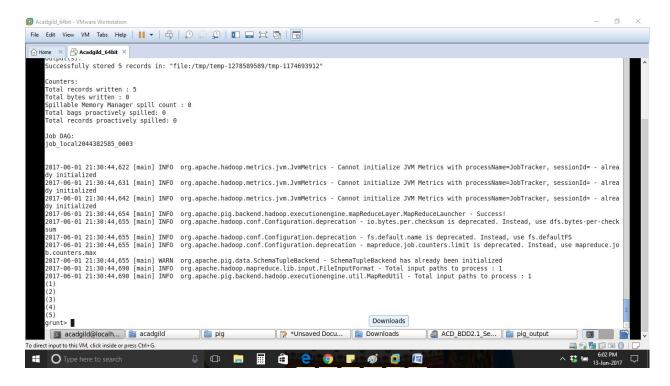
### **Employee Ratings listed**



emp\_distinct\_rating = distinct emp\_by\_rating;

dump emp\_distinct\_rating

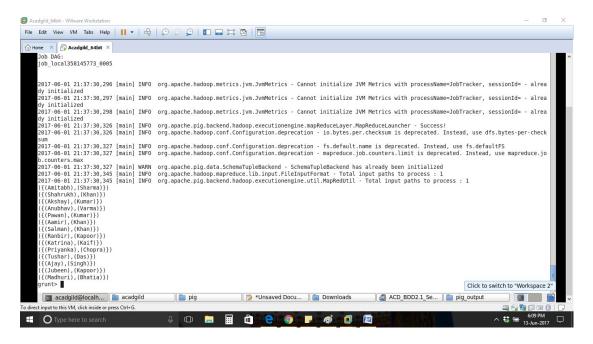
### Only Distinct values in Rating Loaded avoiding duplicates



#### **FLATTEN**

emp\_name\_tokenize = foreach emp generate TOKENIZE(emp\_name);
dump emp\_name\_tokenize;

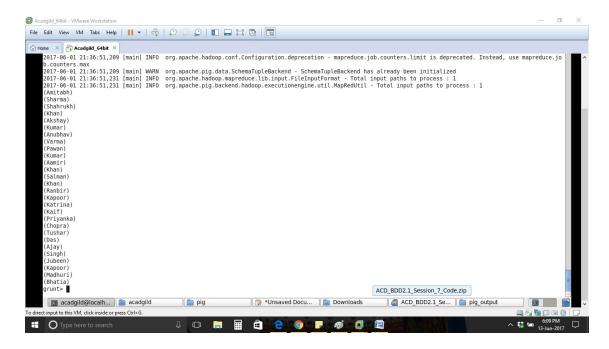
### employee name details tokenized



B = foreach emp name tokenize generate flatten(\$0);

# Dump B;

### **FLATTEN function on Tokenized name**



### 8.2.10

### IsEmpty()

```
emp no rating = filter emp by IsEmpty(emp rating);
```

Giving error iterator could not be started.