Input files :
employee_detail.txt
101,Amitabh,20000,1
102,Shahrukh,10000,2
103,Akshay,11000,3
104,Anubhav,5000,4
105,Pawan,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

employee_expenses.txt
101   200
102   100
110   400
114   200
119   200
105   100
101   100
104   300
102   400

(a) Top 5 employees (employee id and employee name) with highest rating. (In case two
employees have same rating, employee with name coming first in dictionary should get
preference)

script:
```
emp_details = LOAD 'employee_details.txt' USING PigStorage(',') AS
(emp_id:int, emp_name:chararray,emp_salary:int,emp_rating:int);
ordered = order emp_details by emp_rating DESC, emp_name ASC;
top = limit ordered 5;
dump top;
```

output:
(105,Pawan,2500,5)
(110,Priyanka,2000,5)
(104,Anubhav,5000,4)
(109,Katrina,1000,4)
(103,Akshay,11000,3)
~

(b) Top 3 employees (employee id and employee name) with highest salary, whose employee id
is an odd number. (In case two employees have same salary, employee with name

coming first
in dictionary should get preference)

script:
```
 emp_details = LOAD 'employee_details.txt' USING PigStorage(',') AS
(emp_id:int, emp_name:chararray,emp_salary:int,emp_rating:int);
ordered = order emp_details by emp_salary DESC, emp_name ASC;
odd_empid_fields = filter ordered by emp_id%2 != 0;
top = limit odd_empid_fields 3;
dump top;
```

output:
```
(101,Amitabh,20000,1)
(107,Salman,17500,2)
(103,Akshay,11000,3)
```


(c) Employee (employee id and employee name) with maximum expense (In case
two
employees have same expense, employee with name coming first in dictionary
should get
preference)

script:
```
emp_details = LOAD 'employee_details1.txt' USING PigStorage(',') AS
(emp_id:int, emp_name:chararray,emp_salary:int,emp_rating:int);
employee_expenses = LOAD 'employee_expenses.txt' USING
PigStorage('\t') AS (emp_id:int,emp_expenses:int);
join_employee_details = JOIN emp_details by emp_id,
employee_expenses by emp_id;
ordered = order join_employee_details by emp_expenses DESC, emp_name
ASC;
dump ordered;
```

output:
```
(110,Priyanka,2000,5,110,400)
(102,Shahrukh,10000,2,102,400)
(104,Anubhav,5000,4,104,300)
(101,Amitabh,20000,1,101,200)
(114,Madhuri,2000,2,114,200)
(101,Amitabh,20000,1,101,100)
(105,Pawan,2500,5,105,100)
(102,Shahrukh,10000,2,102,100)
```

(d) List of employees (employee id and employee name) having entries in
employee_expenses
file.

script:
```
emp_details = LOAD 'employee_details1.txt' USING PigStorage(',') AS
(emp_id:int, emp_name:chararray,emp_salary:int,emp_rating:int);
employee_expenses = LOAD 'employee_expenses.txt' USING
PigStorage('\t') AS (emp_id:int,emp_expenses:int);
```

```
join_employee_details = JOIN emp_details by emp_id,
employee_expenses by emp_id;
dump join_employee_details;

output:
(101,Amitabh,20000,1,101,100)
(101,Amitabh,20000,1,101,200)
(102,Shahrukh,10000,2,102,400)
(102,Shahrukh,10000,2,102,100)
(104,Anubhav,5000,4,104,300)
(105,Pawan,2500,5,105,100)
(110,Priyanka,2000,5,110,400)
(114,Madhuri,2000,2,114,200)
```

(e) List of employees (employee id and employee name) having no entry in employee_expenses file.

script :
```
emp_details = LOAD 'employee_details1.txt' USING PigStorage(',') AS
(emp_id:int, emp_name:chararray,emp_salary:int,emp_rating:int);
employee_expenses = LOAD 'employee_expenses.txt' USING
PigStorage('\t') AS (emp_id:int,emp_expenses:int);
join_employee_details = JOIN emp_details by emp_id LEFT OUTER,
employee_expenses by emp_id;
dump join_employee_details;

output:
(101,Amitabh,20000,1,101,100)
(101,Amitabh,20000,1,101,200)
(102,Shahrukh,10000,2,102,400)
(102,Shahrukh,10000,2,102,100)
(103,Akshay,11000,3,,)
(104,Anubhav,5000,4,104,300)
(105,Pawan,2500,5,105,100)
(106,Aamir,25000,1,,)
(107,Salman,17500,2,,)
(108,Ranbir,14000,3,,)
(109,Katrina,1000,4,,)
(110,Priyanka,2000,5,110,400)
(111,Tushar,500,1,,)
(112,Ajay,5000,2,,)
(113,Jubeen,1000,1,,)
(114,Madhuri,2000,2,114,200)
```