Pig Query Demo Results

Script Name: restCatCount.pig
Input File : /data/input/rest.txt
Purpose   : Find the number of restaurants in each category (Ex: Fast Food, Casual, Ethnic etc.)

Output:

```
(Casual,6)
(Ethnic,4)
(Fast Food,5)
(Fine Dining,5)
```

Script Name: wordOccur.pig
Input File : /data/input/para.txt
Purpose   : Count the number of occurrence of each word in a text file

Output:

(Aliquam,1)	(aliquam,1)	(erat,1)	(in,4)	(non,1)	(turpis,2)
(Etiam,2)	(amet,2)	(eros.,1)	(ipsum,1)	(nunc.,2)	(ultrices,2)
(Fusce,1)	(ante,1)	(est,1)	(justo,1)	(odio.,1)	(ut,1)
(Interdum,1)	(arcu,1)	(et,1)	(leo,1)	(ornare,1)	(vehicula.,1)
(Maecenas,1)	(commodo,2)	(euismod,1)	(ligula.,1)	(pellentesque,1)	(vel,1)
(Mauris,2)	(condimentum,1)	(ex,2)	(luctus,1)	(pharetra,1)	(velit.,1)
(Nam,2)	(congue.,1)	(facilisis,1)	(malesuada,2)	(primis,1)	(vestibulum,1)
(Nulla,1)	(consequat.,1)	(fames,1)	(massa,1)	(pulvinar,1)	(volutpat,1)
(Praesent,1)	(diam,1)	(faucibus,2)	(maximus,3)	(quam,2)	(volutpat.,1)
(Proin,1)	(dictum,3)	(faucibus.,1)	(metus.,1)	(sapien,1)	(vulputate.,1)
(Quisque,1)	(dignissim,2)	(finibus.,1)	(molestie.,1)	(sed,2)	
(Suspendisse,1)	(egestas,1)	(fringilla,1)	(nec,2)	(sit,2)	
(ac,1)	(elementum,2)	(id,2)	(neque,1)	(sodales,2)	
(accumsan,1)	(elit,2)	(imperdiet,2)	(nibh,1)	(tortor,1)	

Script Name: mylookup.pig
Input File : /data/input/student_result.txt
Purpose   : Explains various ways to lookup columns in a relation

Output 1:	Output 2:	Output 3:
(101)	(Rohan)	({(Physics),(Maths),(English)})
(102)	(Sonal)	({(Physics),(Maths),(English)})
(103)	(Charles)	({(Physics),(Maths),(English)})
(104)	(Bitty)	({(Physics),(Maths),(English)})
(105)	(Sonu)	({(Physics),(Maths),(English)})

Script Name: multi-delimiter.pig
Input File : /data/input/multi-delimiter.txt
Purpose   : Explain how to load data using multiple delimiters

Output 1:	Output 2:	Output 3:
(key1,value11:value12:value13)	(key1,(value11,value12,value13))	(key1,value11,value12,value13)
(key2,value21:value22:value23)	(key2,(value21,value22,value23))	(key2,value21,value22,value23)
(key3,value31:value32:value33)	(key3,(value31,value32,value33))	(key3,value31,value32,value33)
(key4,value41:value42:value43)	(key4,(value41,value42,value43))	(key4,value41,value42,value43)

Script Name: stream-shell-script.pig
Input File : /data/input/rest.txt
Purpose   : Demonstrates how shell commands can be executed in Pig through Streaming

Output:

```
(Vietnam Restaurant,Bloomington,IL)
(Chops and Ribs,Chicago,IL)
(Molinarinari,Moline,IL)
(Siam Cusine,Springfield,IL)
(Marys Diner,Sioux Falls,SD)
(Bistro Bob,Cedar Rapids,IA)
(Wiener House,Des Moines,IA)
(Irifune Place,Lincoln,NE)
(Estradanas,Omaha,NE)
(Fargo,Fargo,ND)
(Fangs,Minneapolis,MN)
(China Palace,Rochester,MN)
(Big Daddy Barbeque,Jefferson City,MO)
(Wolfs,Springfield,MO)
(A Cut Above,Agoura Hills,CA)
(Ranch House,San Jose,CA)
(Burgers and Fries,Bakersfield,CA)
(Hofbrau Deluxe,Costa Mesa,CA)
(Jeans Place,El Segundo,CA)
(Nattos,Foster City,CA)
```

Script Name: pig/myParser.pig
Purpose   : Replace multiple delimiters ",' and "|" with TAB using UDF
Input File: /data/input/myParserData.txt

Java UDF program Name: pig/myudfs/myParserUDF.java
(Make sure pig.jar is also in the pig/myudfs directory)

Compile above program using following command …

```
$ javac -cp pig.jar:`hadoop classpath` myParserUDF.java
$ cd ..  (Come out of myudfs directory)
$ jar -cf myudfs.jar myudfs  (myudfs.jar will be created in 'pig' folder)
```

Output:

```
(101  Ramesh Bamania   M     32    10    Varachha Rd       Surat Gujarat)
(102  Neeta Bamania    F     30    10    Varachha Rd       Surat Gujarat)
(103  Soma Patel M     78    34    Janta Nagar     Ahmedabad  Gujarat)
(104  Radha Patel      F     70    34    Janta Nagar       Ahmedabad  Gujarat)
(105  Narhari K. Sharma      M     45    House No. 66     Birla Complex    Jodhpur    Rajasthan)
(106  Sulekha Sharma   F     41    House No. 66     Birla Complex    Jodhpur    Rajasthan)
(107  Burt Christian   M     52    12/130 Moxi Towers     Andheri (W)     Mumbai     Maharashtra)
(108  Marry D'Souza    F     51    12/130 Moxi Towers     Andheri (W)     Mumbai     Maharashtra)
(109  Santa Singh      M     40    H. No. 22  Model Town Patiala     Punjab)
(110  Naseebo Lal      F     23    36    M. G. Road Banglore   Karnataka)
```