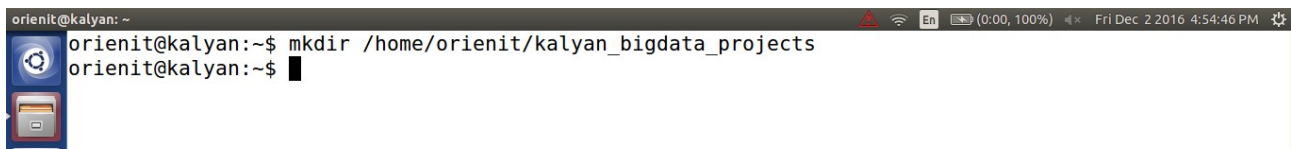


## Kalyan Big Data Real Time Projects

How to generate **large amount of sample data** with simple techniques for **Big Data Projects**.  
Follow the below commands to generate **large amount of sample data**.

i) Create '**kalyan\_bigdata\_projects**' folder in **user home** (i.e **/home/orienit**)

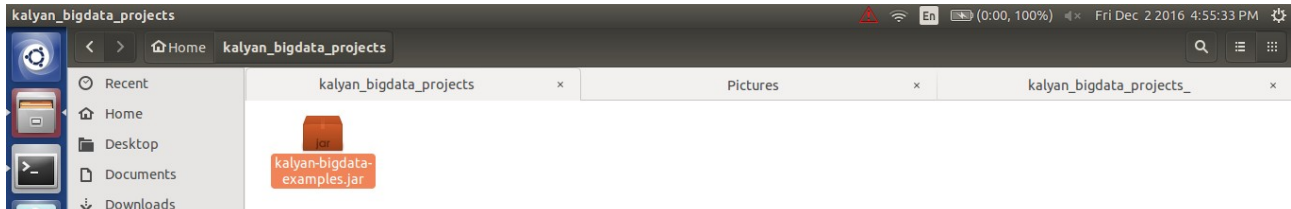
**Command:** `mkdir /home/orienit/kalyan_bigdata_projects`

A terminal window titled 'orienit@kalyan: ~' showing the command 'mkdir /home/orienit/kalyan\_bigdata\_projects' being executed. The prompt changes to 'orienit@kalyan:~\$' after the command is run.

ii) Download '**kalyan-bigdata-examples.jar**' jar file from this [link](https://github.com/kalyanhadooptraining/kalyan-bigdata-realtime-projects/blob/master/kalyan/kalyan-bigdata-examples.jar).

(<https://github.com/kalyanhadooptraining/kalyan-bigdata-realtime-projects/blob/master/kalyan/kalyan-bigdata-examples.jar>)

iii) Copy '**kalyan-bigdata-examples.jar**' jar file into '**/home/orienit/kalyan\_bigdata\_projects**' folder



## We are going to learn below Use Cases

**Use Case 1:** Generating Sample **Server Logs** with simple command

**Use Case 2:** Generating Sample **Users** in **JSON** format with simple command

**Use Case 3:** Generating Sample **Users** in **CSV** format with simple command

**Use Case 4:** Generating Sample **Users** in **TSV** format with simple command

**Use Case 5:** Generating Sample **Users** in **DELIMITED** format with simple command

**Use Case 6:** Generating Sample **Product Log** in **JSON** format with simple command

**Use Case 7:** Generating Sample **Product Log** in **CSV** format with simple command

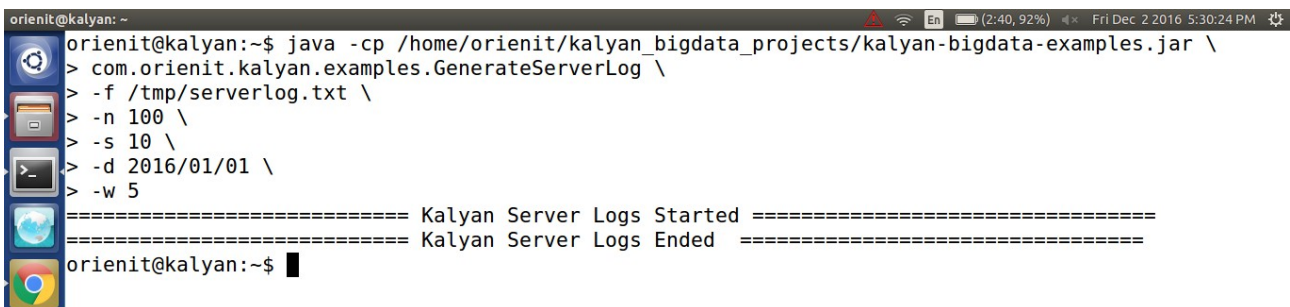
**Use Case 8:** Generating Sample **Product Log** in **TSV** format with simple command

**Use Case 9:** Generating Sample **Product Log** in **DELIMITED** format with simple command

## Kalyan Big Data Projects – Use Case 1

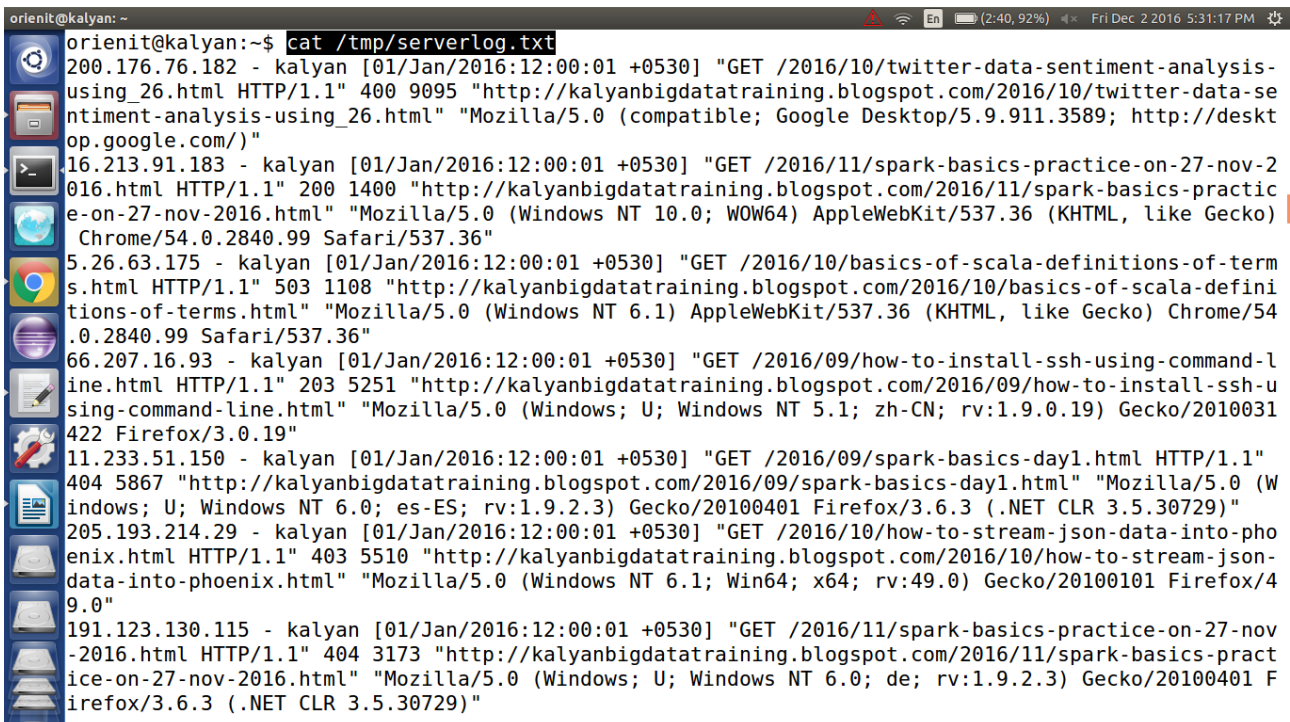
### Generating Sample Server Logs with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateServerLog \  
-f /tmp/serverlog.txt \  
-n 100 \  
-s 10 \  
-d 2016/01/01 \  
-w 5
```



```
orienit@kalyan: ~  
orienit@kalyan:~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateServerLog \  
> -f /tmp/serverlog.txt \  
> -n 100 \  
> -s 10 \  
> -d 2016/01/01 \  
> -w 5  
===== Kalyan Server Logs Started =====  
===== Kalyan Server Logs Ended =====  
orienit@kalyan:~$
```

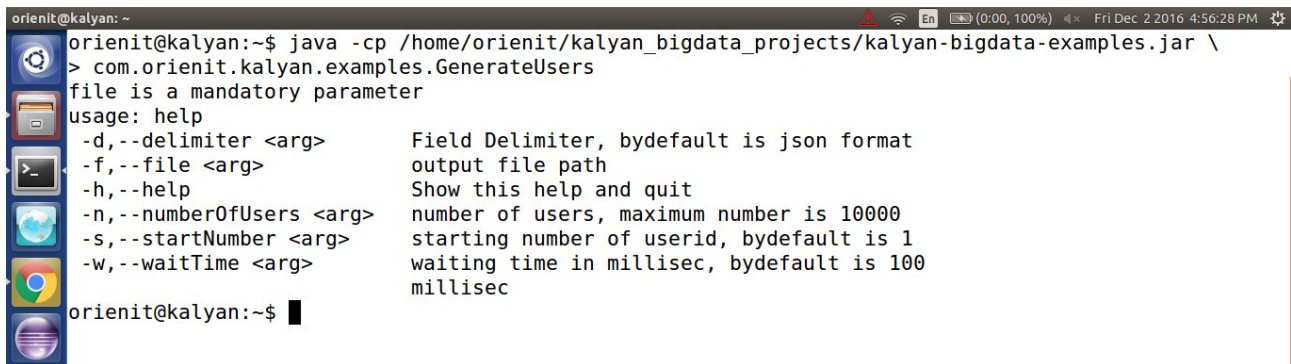
### Read SERVER LOG data



```
orienit@kalyan: ~  
orienit@kalyan:~$ cat /tmp/serverlog.txt  
200.176.76.182 - kalyan [01/Jan/2016:12:00:01 +0530] "GET /2016/10/twitter-data-sentiment-analysis-using_26.html HTTP/1.1" 400 9095 "http://kalyanbigdatatrainig.blogspot.com/2016/10/twitter-data-sentiment-analysis-using_26.html" "Mozilla/5.0 (compatible; Google Desktop/5.9.911.3589; http://desktop.google.com/)"  
16.213.91.183 - kalyan [01/Jan/2016:12:00:01 +0530] "GET /2016/11/spark-basics-practice-on-27-nov-2016.html HTTP/1.1" 200 1400 "http://kalyanbigdatatrainig.blogspot.com/2016/11/spark-basics-practice-on-27-nov-2016.html" "Mozilla/5.0 (Windows NT 10.0; WOW64) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/54.0.2840.99 Safari/537.36"  
5.26.63.175 - kalyan [01/Jan/2016:12:00:01 +0530] "GET /2016/10/basics-of-scala-definitions-of-terms.html HTTP/1.1" 503 1108 "http://kalyanbigdatatrainig.blogspot.com/2016/10/basics-of-scala-definitions-of-terms.html" "Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/54.0.2840.99 Safari/537.36"  
66.207.16.93 - kalyan [01/Jan/2016:12:00:01 +0530] "GET /2016/09/how-to-install-ssh-using-command-line.html HTTP/1.1" 203 5251 "http://kalyanbigdatatrainig.blogspot.com/2016/09/how-to-install-ssh-using-command-line.html" "Mozilla/5.0 (Windows; U; Windows NT 5.1; zh-CN; rv:1.9.0.19) Gecko/2010031422 Firefox/3.0.19"  
11.233.51.150 - kalyan [01/Jan/2016:12:00:01 +0530] "GET /2016/09/spark-basics-day1.html HTTP/1.1" 404 5867 "http://kalyanbigdatatrainig.blogspot.com/2016/09/spark-basics-day1.html" "Mozilla/5.0 (Windows; U; Windows NT 6.0; es-ES; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3 (.NET CLR 3.5.30729)"  
205.193.214.29 - kalyan [01/Jan/2016:12:00:01 +0530] "GET /2016/10/how-to-stream-json-data-into-phoenix.html HTTP/1.1" 403 5510 "http://kalyanbigdatatrainig.blogspot.com/2016/10/how-to-stream-json-data-into-phoenix.html" "Mozilla/5.0 (Windows NT 6.1; Win64; x64; rv:49.0) Gecko/20100101 Firefox/49.0"  
191.123.130.115 - kalyan [01/Jan/2016:12:00:01 +0530] "GET /2016/11/spark-basics-practice-on-27-nov-2016.html HTTP/1.1" 404 3173 "http://kalyanbigdatatrainig.blogspot.com/2016/11/spark-basics-practice-on-27-nov-2016.html" "Mozilla/5.0 (Windows; U; Windows NT 6.0; de; rv:1.9.2.3) Gecko/20100401 Firefox/3.6.3 (.NET CLR 3.5.30729)"
```

## Kalyan Big Data Projects – Use Case Generating Sample Users with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateUsers
```



```
orienit@kalyan: ~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateUsers  
file is a mandatory parameter  
usage: help  
-d,--delimiter <arg>      Field Delimiter, bydefault is json format  
-f,--file <arg>           output file path  
-h,--help                 Show this help and quit  
-n,--numberOfUsers <arg> number of users, maximum number is 10000  
-s,--startNumber <arg>   starting number of userid, bydefault is 1  
-w,--waitTime <arg>      waiting time in millisec, bydefault is 100  
                           millisec  
orienit@kalyan:~$
```

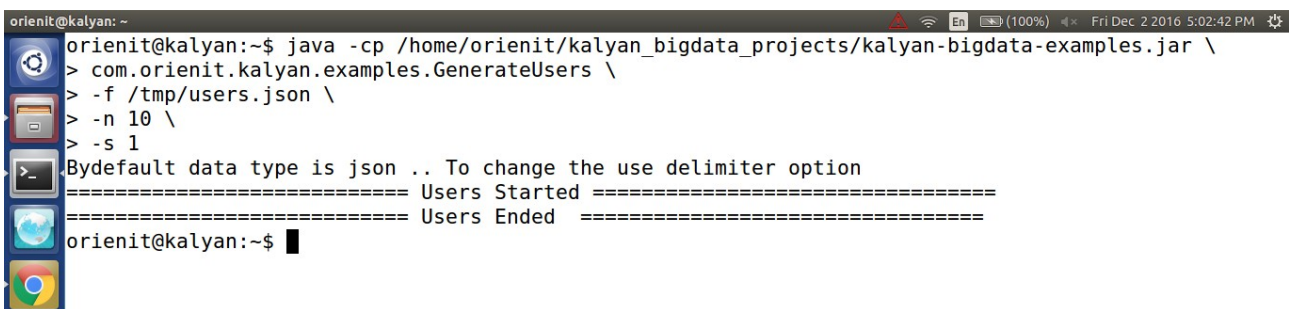
We can pass different arguments for above command

- d => field delimiter like (tab, comma, semicolon, etc )
- f => output file path
- n => number of users, maximum number is 10000
- s => starting number of user id, bydefault is 1
- w => waiting time in milli sec, bydefault is 100 millisec

## Kalyan Big Data Projects – Use Case 2


### Generating Sample Users in JSON format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateUsers \  
-f /tmp/users.json \  
-n 10 \  
-s 1
```



```
orienit@kalyan: ~  
orienit@kalyan:~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateUsers \  
> -f /tmp/users.json \  
> -n 10 \  
> -s 1  
By default data type is json .. To change the use delimiter option  
===== Users Started =====  
===== Users Ended =====  
orienit@kalyan:~$
```

### Read JSON Data



```
orienit@kalyan: ~  
orienit@kalyan:~$ cat /tmp/users.json  
{ "userid":1, "username":"user1", "password":"user1", "email":"user1@gmail.com", "country":"India", "state":"Andhra Pradesh", "city":"Guntur", "dt":"2016-02-02 05:02:39" }  
{ "userid":2, "username":"user2", "password":"user2", "email":"user2@gmail.com", "country":"US", "state":"Washington", "city":"Renton", "dt":"2016-02-02 05:02:39" }  
{ "userid":3, "username":"user3", "password":"user3", "email":"user3@gmail.com", "country":"US", "state":"Hawaii", "city":"Hanapepe", "dt":"2016-02-02 05:02:39" }  
{ "userid":4, "username":"user4", "password":"user4", "email":"user4@gmail.com", "country":"US", "state":"Washington", "city":"Bellingham", "dt":"2016-02-02 05:02:39" }  
{ "userid":5, "username":"user5", "password":"user5", "email":"user5@gmail.com", "country":"India", "state":"Andhra Pradesh", "city":"Kakinada", "dt":"2016-02-02 05:02:39" }  
{ "userid":6, "username":"user6", "password":"user6", "email":"user6@gmail.com", "country":"India", "state":"Telangana", "city":"Karimnagar", "dt":"2016-02-02 05:02:39" }  
{ "userid":7, "username":"user7", "password":"user7", "email":"user7@gmail.com", "country":"US", "state":"New York", "city":"Albany", "dt":"2016-02-02 05:02:40" }  
{ "userid":8, "username":"user8", "password":"user8", "email":"user8@gmail.com", "country":"India", "state":"Karnataka", "city":"Bidar", "dt":"2016-02-02 05:02:40" }  
{ "userid":9, "username":"user9", "password":"user9", "email":"user9@gmail.com", "country":"India", "state":"Chennai", "city":"Virugambakkam", "dt":"2016-02-02 05:02:40" }  
{ "userid":10, "username":"user10", "password":"user10", "email":"user10@gmail.com", "country":"US", "state":"Hawaii", "city":"Honolulu", "dt":"2016-02-02 05:02:40" }  
orienit@kalyan:~$
```

## Kalyan Big Data Projects – Use Case 3

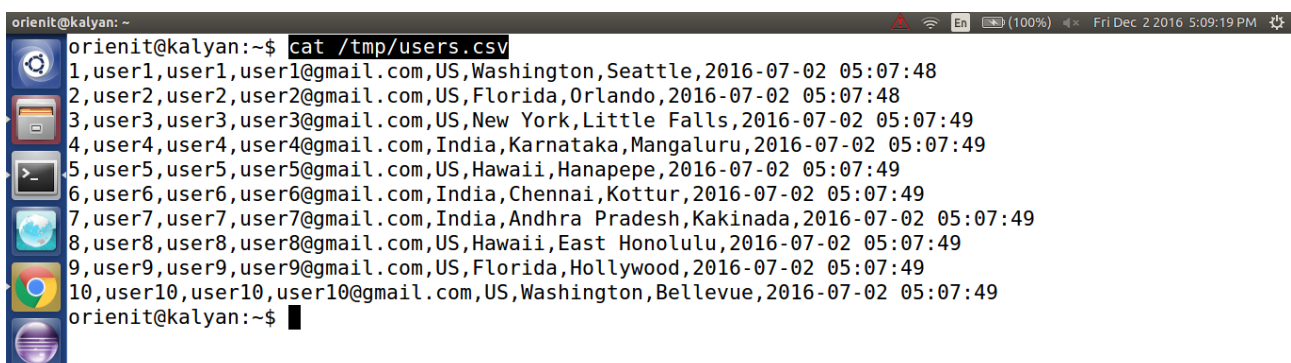
### Generating Sample Users in CSV format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateUsers \  
-f /tmp/users.csv \  
-d ',' \  
-n 10 \  
-s 1
```



```
orienit@kalyan: ~  
orienit@kalyan:~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateUsers \  
> -f /tmp/users.csv \  
> -d ',' \  
> -n 10 \  
> -s 1  
===== Users Started =====  
===== Users Ended =====  
orienit@kalyan:~$
```

### Read CSV data



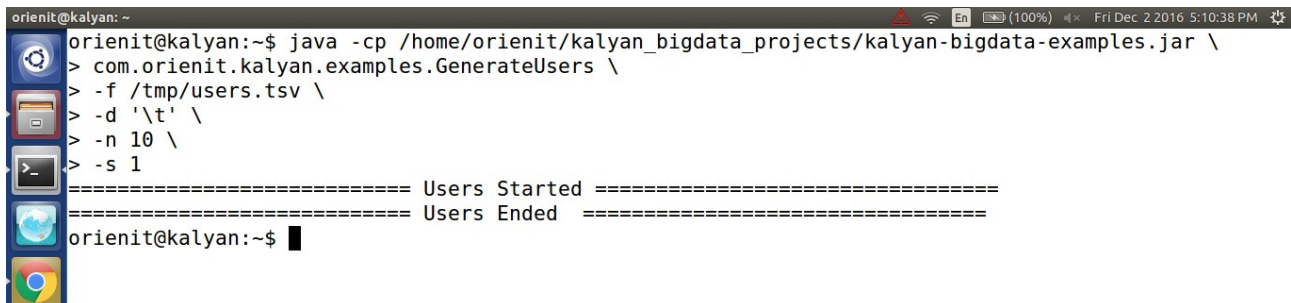
```
orienit@kalyan: ~  
orienit@kalyan:~$ cat /tmp/users.csv  
1,user1,user1,user1@gmail.com,US,Washington,Seattle,2016-07-02 05:07:48  
2,user2,user2,user2@gmail.com,US,Florida,Orlando,2016-07-02 05:07:48  
3,user3,user3,user3@gmail.com,US,New York,Little Falls,2016-07-02 05:07:49  
4,user4,user4,user4@gmail.com,India,Karnataka,Mangaluru,2016-07-02 05:07:49  
5,user5,user5,user5@gmail.com,US,Hawaii,Hanapepe,2016-07-02 05:07:49  
6,user6,user6,user6@gmail.com,India,Chennai,Kottur,2016-07-02 05:07:49  
7,user7,user7,user7@gmail.com,India,Andhra Pradesh,Kakinada,2016-07-02 05:07:49  
8,user8,user8,user8@gmail.com,US,Hawaii,East Honolulu,2016-07-02 05:07:49  
9,user9,user9,user9@gmail.com,US,Florida,Hollywood,2016-07-02 05:07:49  
10,user10,user10,user10@gmail.com,US,Washington,Bellevue,2016-07-02 05:07:49  
orienit@kalyan:~$
```



## Kalyan Big Data Projects – Use Case 4

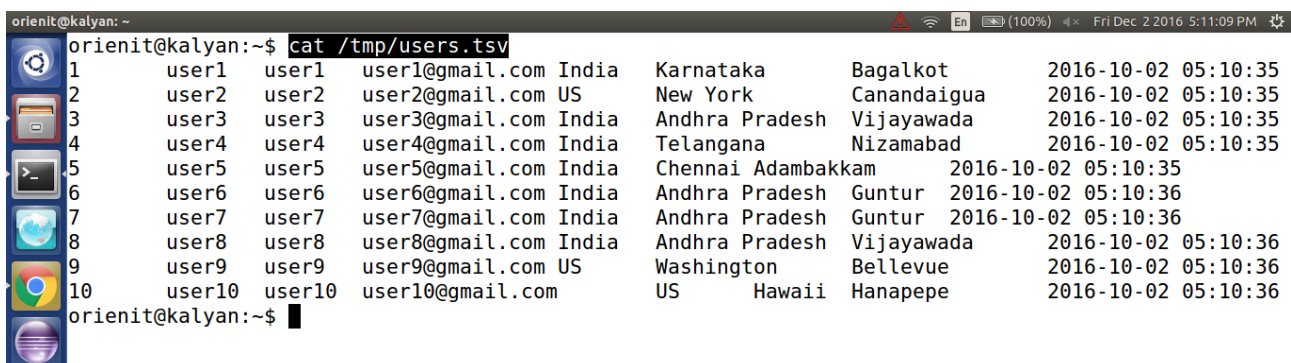
### Generating Sample Users in TSV format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \
com.orienit.kalyan.examples.GenerateUsers \
-f /tmp/users.tsv \
-d '\t' \
-n 10 \
-s 1
```



```
orienit@kalyan: ~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \
> com.orienit.kalyan.examples.GenerateUsers \
> -f /tmp/users.tsv \
> -d '\t' \
> -n 10 \
> -s 1
===== Users Started =====
===== Users Ended =====
orienit@kalyan:~$
```

### Read TSV data



```
orienit@kalyan:~$ cat /tmp/users.tsv
1 user1 user1 user1@gmail.com India Karnataka Bagalkot 2016-10-02 05:10:35
2 user2 user2 user2@gmail.com US New York Canandaigua 2016-10-02 05:10:35
3 user3 user3 user3@gmail.com India Andhra Pradesh Vijayawada 2016-10-02 05:10:35
4 user4 user4 user4@gmail.com India Telangana Nizamabad 2016-10-02 05:10:35
5 user5 user5 user5@gmail.com India Chennai Adambakkam 2016-10-02 05:10:35
6 user6 user6 user6@gmail.com India Andhra Pradesh Guntur 2016-10-02 05:10:36
7 user7 user7 user7@gmail.com India Andhra Pradesh Guntur 2016-10-02 05:10:36
8 user8 user8 user8@gmail.com India Andhra Pradesh Vijayawada 2016-10-02 05:10:36
9 user9 user9 user9@gmail.com US Washington Bellevue 2016-10-02 05:10:36
10 user10 user10 user10@gmail.com US Hawaii Hanapepe 2016-10-02 05:10:36
orienit@kalyan:~$
```

## Kalyan Big Data Projects – Use Case 5

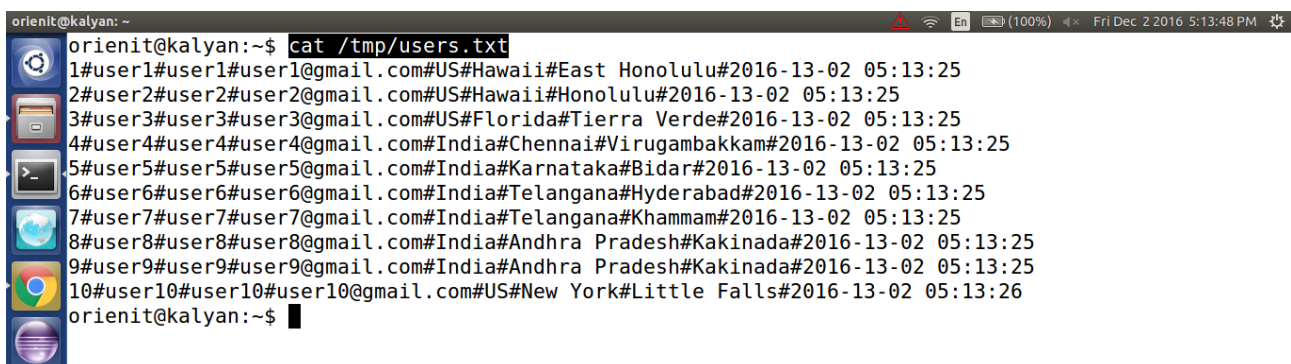
### Generating Sample Users in DELIMITER format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateUsers \  
-f /tmp/users.txt \  
-d '#' \  
-n 10 \  
-s 1
```



```
orienit@kalyan: ~  
orienit@kalyan:~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateUsers \  
> -f /tmp/users.txt \  
> -d '#' \  
> -n 10 \  
> -s 1  
===== Users Started =====  
===== Users Ended =====  
orienit@kalyan:~$
```

Read Any **DELIMITED** Data

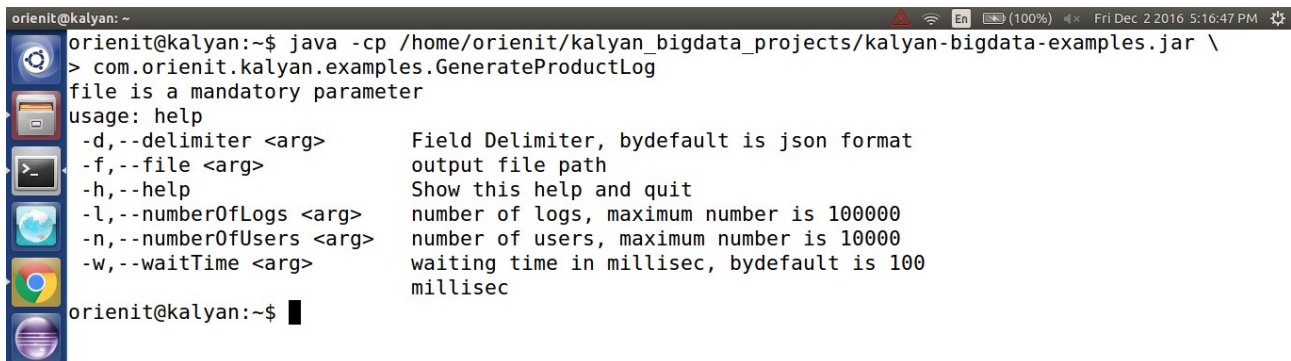


```
orienit@kalyan: ~  
orienit@kalyan:~$ cat /tmp/users.txt  
1#user1#user1#user1@gmail.com#US#Hawaii#East Honolulu#2016-13-02 05:13:25  
2#user2#user2#user2@gmail.com#US#Hawaii#Honolulu#2016-13-02 05:13:25  
3#user3#user3#user3@gmail.com#US#Florida#Tierra Verde#2016-13-02 05:13:25  
4#user4#user4#user4@gmail.com#India#Chennai#Virugambakkam#2016-13-02 05:13:25  
5#user5#user5#user5@gmail.com#India#Karnataka#Bidar#2016-13-02 05:13:25  
6#user6#user6#user6@gmail.com#India#Telangana#Hyderabad#2016-13-02 05:13:25  
7#user7#user7#user7@gmail.com#India#Telangana#Khammam#2016-13-02 05:13:25  
8#user8#user8#user8@gmail.com#India#Andhra Pradesh#Kakinada#2016-13-02 05:13:25  
9#user9#user9#user9@gmail.com#India#Andhra Pradesh#Kakinada#2016-13-02 05:13:25  
10#user10#user10#user10@gmail.com#US#New York#Little Falls#2016-13-02 05:13:26  
orienit@kalyan:~$
```

## Kalyan Big Data Projects – Use Case

### Generating Sample Product Log with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateProductLog
```



```
orienit@kalyan: ~  
orienit@kalyan:~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateProductLog  
file is a mandatory parameter  
usage: help  
-d,--delimiter <arg>      Field Delimiter, bydefault is json format  
-f,--file <arg>           output file path  
-h,--help                 Show this help and quit  
-l,--numberOfLogs <arg>  number of logs, maximum number is 100000  
-n,--numberOfUsers <arg> number of users, maximum number is 10000  
-w,--waitTime <arg>      waiting time in millisec, bydefault is 100  
                           millisec  
orienit@kalyan:~$
```

We can pass different arguments for above command

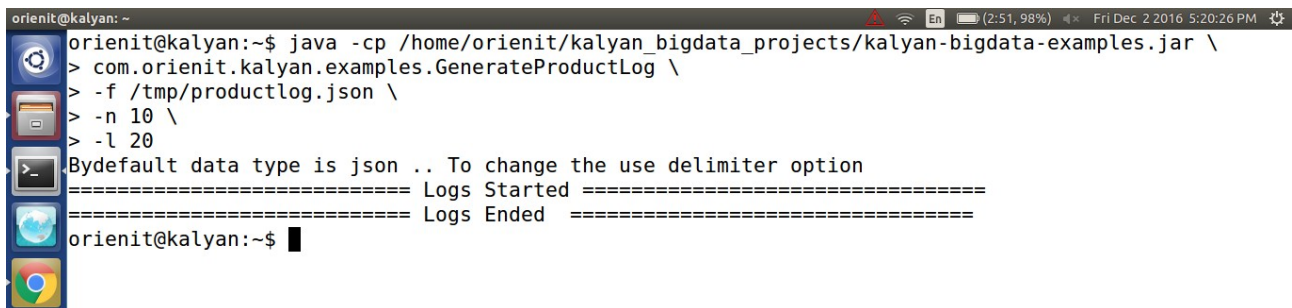
- d => field delimiter like (tab, comma, semicolon, etc )
- f => output file path
- l => number of logs, maximum number is 100000
- n => number of users, maximum number is 10000
- w => waiting time in milli sec, bydefault is 100 millisec



## Kalyan Big Data Projects – Use Case 6

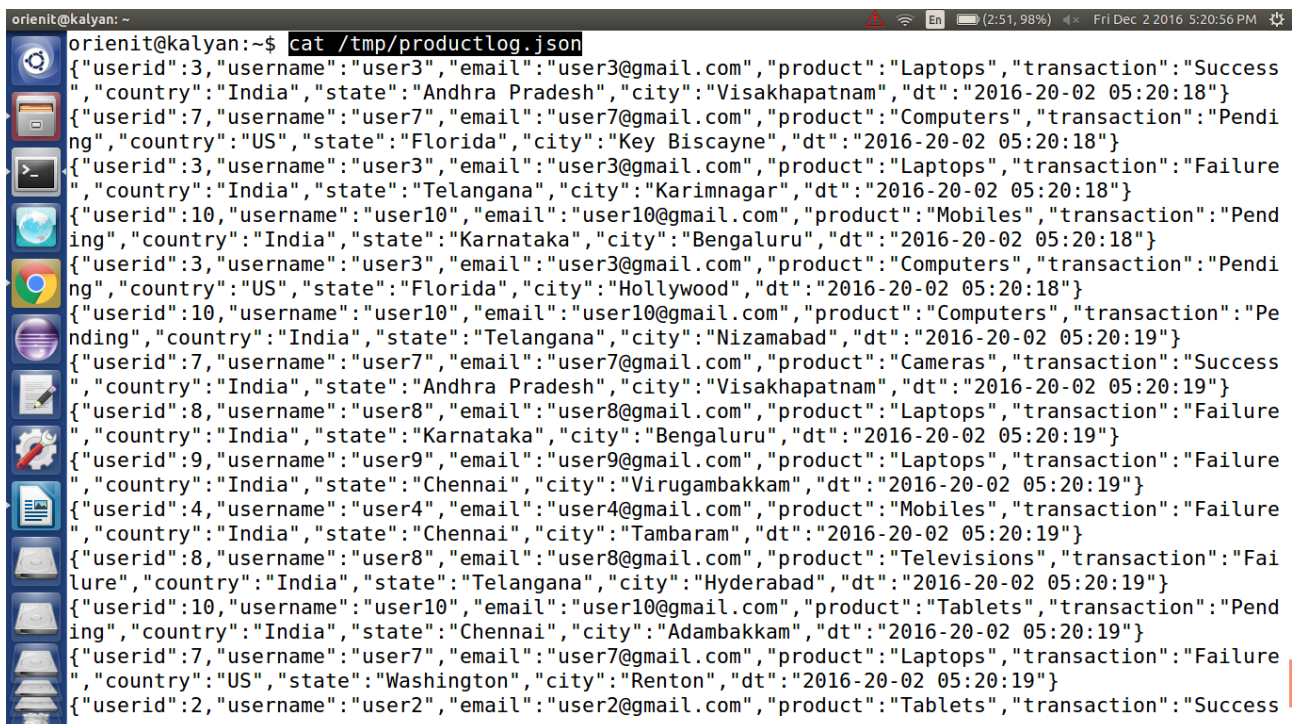
### Generating Sample Product Log in JSON format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \
com.orienit.kalyan.examples.GenerateProductLog \
-f /tmp/productlog.json \
-n 10 \
-l 20
```



```
orienit@kalyan: ~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \
> com.orienit.kalyan.examples.GenerateProductLog \
> -f /tmp/productlog.json \
> -n 10 \
> -l 20
By default data type is json .. To change the use delimiter option
===== Logs Started =====
===== Logs Ended =====
orienit@kalyan:~$
```

#### Read JSON data

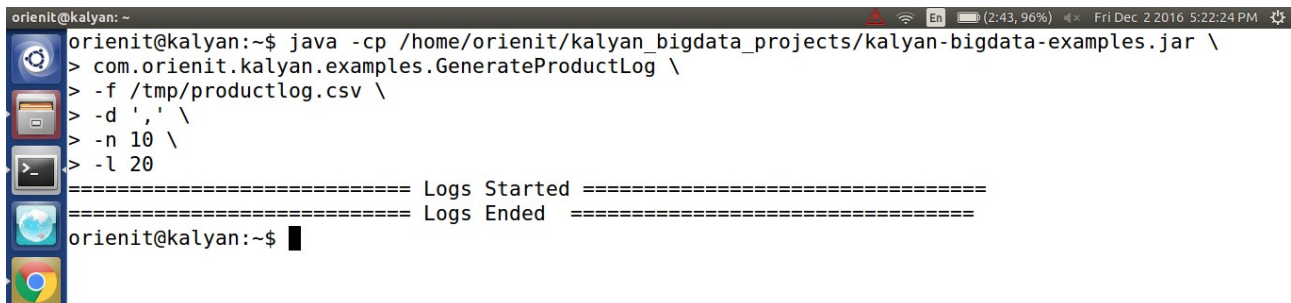


```
orienit@kalyan: ~$ cat /tmp/productlog.json
{"userid":3,"username":"user3","email":"user3@gmail.com","product":"Laptops","transaction":"Success",
"country":"India","state":"Andhra Pradesh","city":"Visakhapatnam","dt":"2016-20-02 05:20:18"}
{"userid":7,"username":"user7","email":"user7@gmail.com","product":"Computers","transaction":"Pending",
"country":"US","state":"Florida","city":"Key Biscayne","dt":"2016-20-02 05:20:18"}
{"userid":3,"username":"user3","email":"user3@gmail.com","product":"Laptops","transaction":"Failure",
"country":"India","state":"Telangana","city":"Karimnagar","dt":"2016-20-02 05:20:18"}
{"userid":10,"username":"user10","email":"user10@gmail.com","product":"Mobiles","transaction":"Pending",
"country":"India","state":"Karnataka","city":"Bengaluru","dt":"2016-20-02 05:20:18"}
{"userid":3,"username":"user3","email":"user3@gmail.com","product":"Computers","transaction":"Pending",
"country":"US","state":"Florida","city":"Hollywood","dt":"2016-20-02 05:20:18"}
{"userid":10,"username":"user10","email":"user10@gmail.com","product":"Computers","transaction":"Pending",
"country":"India","state":"Telangana","city":"Nizamabad","dt":"2016-20-02 05:20:19"}
{"userid":7,"username":"user7","email":"user7@gmail.com","product":"Cameras","transaction":"Success",
"country":"India","state":"Andhra Pradesh","city":"Visakhapatnam","dt":"2016-20-02 05:20:19"}
{"userid":8,"username":"user8","email":"user8@gmail.com","product":"Laptops","transaction":"Failure",
"country":"India","state":"Karnataka","city":"Bengaluru","dt":"2016-20-02 05:20:19"}
{"userid":9,"username":"user9","email":"user9@gmail.com","product":"Laptops","transaction":"Failure",
"country":"India","state":"Chennai","city":"Virugambakkam","dt":"2016-20-02 05:20:19"}
{"userid":4,"username":"user4","email":"user4@gmail.com","product":"Mobiles","transaction":"Failure",
"country":"India","state":"Chennai","city":"Tambaram","dt":"2016-20-02 05:20:19"}
{"userid":8,"username":"user8","email":"user8@gmail.com","product":"Televisions","transaction":"Failure",
"country":"India","state":"Telangana","city":"Hyderabad","dt":"2016-20-02 05:20:19"}
{"userid":10,"username":"user10","email":"user10@gmail.com","product":"Tablets","transaction":"Pending",
"country":"India","state":"Chennai","city":"Adambakkam","dt":"2016-20-02 05:20:19"}
{"userid":7,"username":"user7","email":"user7@gmail.com","product":"Laptops","transaction":"Failure",
"country":"US","state":"Washington","city":"Renton","dt":"2016-20-02 05:20:19"}
{"userid":2,"username":"user2","email":"user2@gmail.com","product":"Tablets","transaction":"Success"}
```

## Kalyan Big Data Projects – Use Case 7

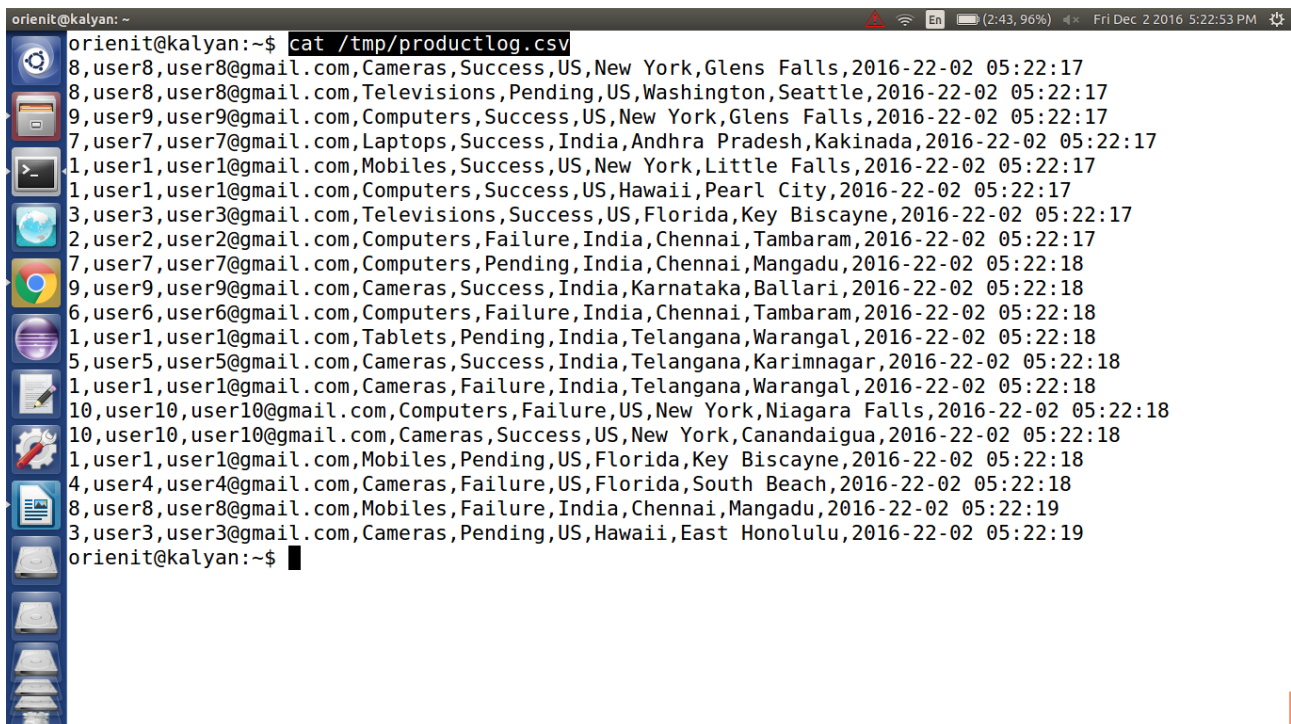
### Generating Sample Product Log in CSV format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateProductLog \  
-f /tmp/productlog.csv \  
-d ',' \  
-n 10 \  
-l 20
```



```
orienit@kalyan: ~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateProductLog \  
> -f /tmp/productlog.csv \  
> -d ',' \  
> -n 10 \  
> -l 20  
===== Logs Started =====  
===== Logs Ended =====  
orienit@kalyan:~$
```

### Read CSV data

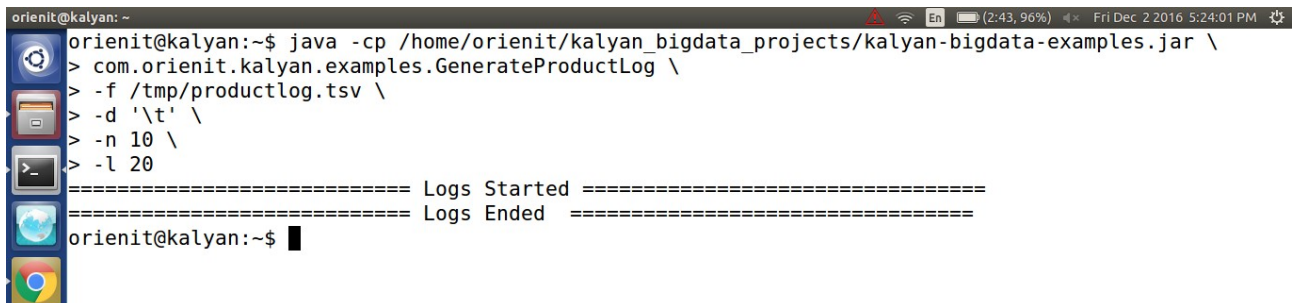


```
orienit@kalyan:~$ cat /tmp/productlog.csv  
8,user8,user8@gmail.com,Cameras,Success,US,New York,Glens Falls,2016-22-02 05:22:17  
8,user8,user8@gmail.com,Televisions,Pending,US,Washington,Seattle,2016-22-02 05:22:17  
9,user9,user9@gmail.com,Computers,Success,US,New York,Glens Falls,2016-22-02 05:22:17  
7,user7,user7@gmail.com,Laptops,Success,India,Andhra Pradesh,Kakinada,2016-22-02 05:22:17  
1,user1,user1@gmail.com,Mobiles,Success,US,New York,Little Falls,2016-22-02 05:22:17  
1,user1,user1@gmail.com,Computers,Success,US,Hawaii,Pearl City,2016-22-02 05:22:17  
3,user3,user3@gmail.com,Televisions,Success,US,Florida,Key Biscayne,2016-22-02 05:22:17  
2,user2,user2@gmail.com,Computers,Failure,India,Chennai,Tambaram,2016-22-02 05:22:17  
7,user7,user7@gmail.com,Computers,Pending,India,Chennai,Mangadu,2016-22-02 05:22:18  
9,user9,user9@gmail.com,Cameras,Success,India,Karnataka,Ballari,2016-22-02 05:22:18  
6,user6,user6@gmail.com,Computers,Failure,India,Chennai,Tambaram,2016-22-02 05:22:18  
1,user1,user1@gmail.com,Tablets,Pending,India,Telangana,Warangal,2016-22-02 05:22:18  
5,user5,user5@gmail.com,Cameras,Success,India,Telangana,Karimnagar,2016-22-02 05:22:18  
1,user1,user1@gmail.com,Cameras,Failure,India,Telangana,Warangal,2016-22-02 05:22:18  
10,user10,user10@gmail.com,Computers,Failure,US,New York,Niagara Falls,2016-22-02 05:22:18  
10,user10,user10@gmail.com,Cameras,Success,US,New York,Canandaigua,2016-22-02 05:22:18  
1,user1,user1@gmail.com,Mobiles,Pending,US,Florida,Key Biscayne,2016-22-02 05:22:18  
4,user4,user4@gmail.com,Cameras,Failure,US,Florida,South Beach,2016-22-02 05:22:18  
8,user8,user8@gmail.com,Mobiles,Failure,India,Chennai,Mangadu,2016-22-02 05:22:19  
3,user3,user3@gmail.com,Cameras,Pending,US,Hawaii,East Honolulu,2016-22-02 05:22:19  
orienit@kalyan:~$
```

## Kalyan Big Data Projects – Use Case 6

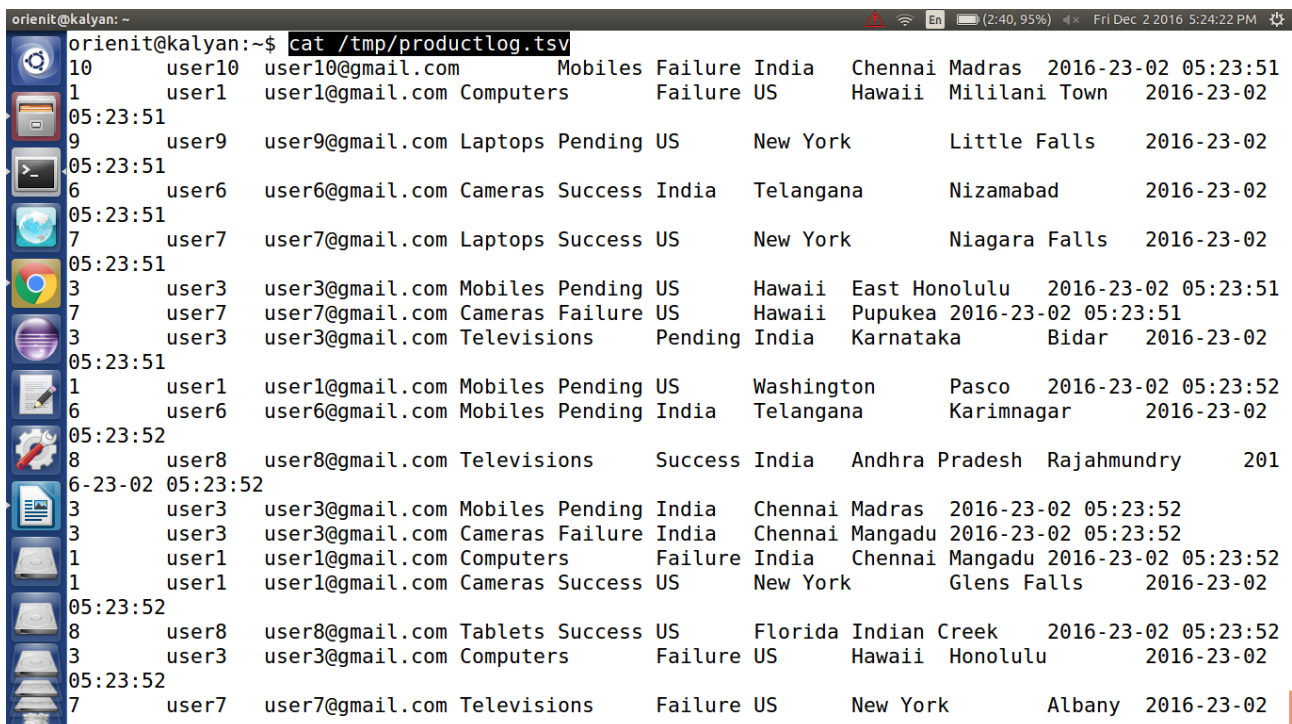
### Generating Sample Product Log in TSV format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \
com.orienit.kalyan.examples.GenerateProductLog \
-f /tmp/productlog.tsv \
-d '\t' \
-n 10 \
-l 20
```



```
orienit@kalyan: ~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \
> com.orienit.kalyan.examples.GenerateProductLog \
> -f /tmp/productlog.tsv \
> -d '\t' \
> -n 10 \
> -l 20
===== Logs Started =====
===== Logs Ended =====
orienit@kalyan: ~$
```

Read TSV data



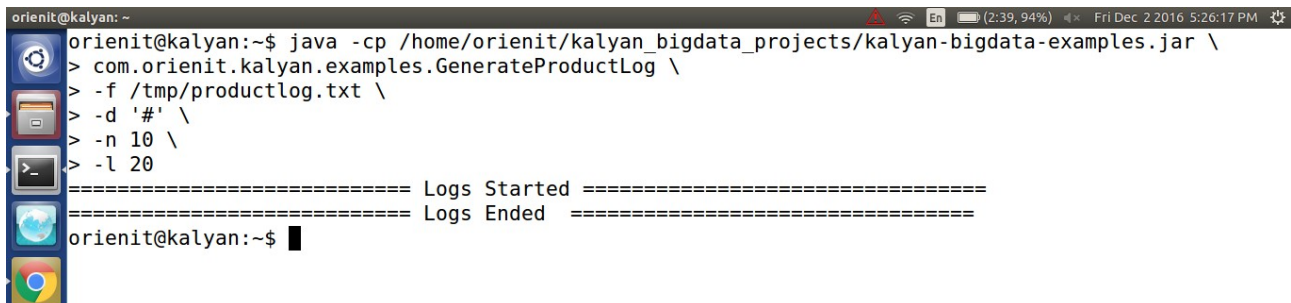
```
orienit@kalyan: ~$ cat /tmp/productlog.tsv
10      user10   user10@gmail.com   Mobiles   Failure   India   Chennai   Madras   2016-23-02   05:23:51
1       user1    user1@gmail.com     Computers Failure   US      Hawaii    Mililani Town 2016-23-02
05:23:51
9       user9    user9@gmail.com     Laptops   Pending   US      New York   Little Falls 2016-23-02
05:23:51
6       user6    user6@gmail.com     Cameras   Success   India   Telangana  Nizamabad   2016-23-02
05:23:51
7       user7    user7@gmail.com     Laptops   Success   US      New York   Niagara Falls 2016-23-02
05:23:51
3       user3    user3@gmail.com     Mobiles   Pending   US      Hawaii    East Honolulu 2016-23-02 05:23:51
7       user7    user7@gmail.com     Cameras   Failure   US      Hawaii    Pupukea     2016-23-02 05:23:51
3       user3    user3@gmail.com     Televisions Pending   India   Karnataka Bidar        2016-23-02
05:23:51
1       user1    user1@gmail.com     Mobiles   Pending   US      Washington Pasco        2016-23-02 05:23:52
6       user6    user6@gmail.com     Mobiles   Pending   India   Telangana  Karimnagar   2016-23-02
05:23:52
8       user8    user8@gmail.com     Televisions Success   India   Andhra Pradesh Rajahmundry   201
6-23-02 05:23:52
3       user3    user3@gmail.com     Mobiles   Pending   India   Chennai   Madras       2016-23-02 05:23:52
3       user3    user3@gmail.com     Cameras   Failure   India   Chennai   Mangadu      2016-23-02 05:23:52
1       user1    user1@gmail.com     Computers Failure   India   Chennai   Mangadu      2016-23-02 05:23:52
1       user1    user1@gmail.com     Cameras   Success   US      New York   Glens Falls  2016-23-02
05:23:52
8       user8    user8@gmail.com     Tablets   Success   US      Florida   Indian Creek 2016-23-02 05:23:52
3       user3    user3@gmail.com     Computers Failure   US      Hawaii    Honolulu     2016-23-02
05:23:52
7       user7    user7@gmail.com     Televisions Failure   US      New York   Albany       2016-23-02
```



## Kalyan Big Data Projects – Use Case 9

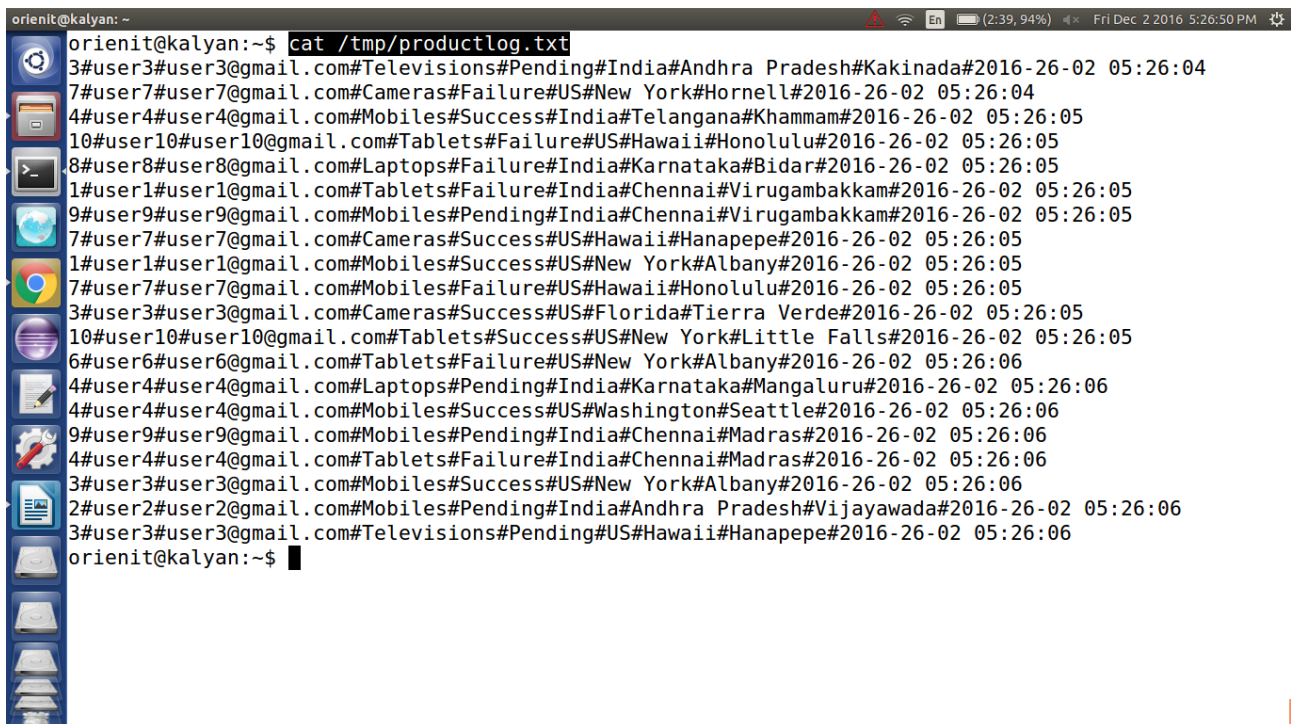
### Generating Sample Product Log in DELIMITED format with simple command

```
java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
com.orienit.kalyan.examples.GenerateProductLog \  
-f /tmp/productlog.txt \  
-d '#' \  
-n 10 \  
-l 20
```



```
orienit@kalyan: ~$ java -cp /home/orienit/kalyan_bigdata_projects/kalyan-bigdata-examples.jar \  
> com.orienit.kalyan.examples.GenerateProductLog \  
> -f /tmp/productlog.txt \  
> -d '#' \  
> -n 10 \  
> -l 20  
===== Logs Started =====  
===== Logs Ended =====  
orienit@kalyan:~$
```

Read Any **DELIMITED** data



```
orienit@kalyan: ~$ cat /tmp/productlog.txt  
3#user3#user3@gmail.com#Televisions#Pending#India#Andhra Pradesh#Kakinada#2016-26-02 05:26:04  
7#user7#user7@gmail.com#Cameras#Failure#US#New York#Hornell#2016-26-02 05:26:04  
4#user4#user4@gmail.com#Mobiles#Success#India#Telangana#Khammam#2016-26-02 05:26:05  
10#user10#user10@gmail.com#Tablets#Failure#US#Hawaii#Honolulu#2016-26-02 05:26:05  
8#user8#user8@gmail.com#Laptops#Failure#India#Karnataka#Bidar#2016-26-02 05:26:05  
1#user1#user1@gmail.com#Tablets#Failure#India#Chennai#Virugambakkam#2016-26-02 05:26:05  
9#user9#user9@gmail.com#Mobiles#Pending#India#Chennai#Virugambakkam#2016-26-02 05:26:05  
7#user7#user7@gmail.com#Cameras#Success#US#Hawaii#Hanapepe#2016-26-02 05:26:05  
1#user1#user1@gmail.com#Mobiles#Success#US#New York#Albany#2016-26-02 05:26:05  
7#user7#user7@gmail.com#Mobiles#Failure#US#Hawaii#Honolulu#2016-26-02 05:26:05  
3#user3#user3@gmail.com#Cameras#Success#US#Florida#Tierra Verde#2016-26-02 05:26:05  
10#user10#user10@gmail.com#Tablets#Success#US#New York#Little Falls#2016-26-02 05:26:05  
6#user6#user6@gmail.com#Tablets#Failure#US#New York#Albany#2016-26-02 05:26:06  
4#user4#user4@gmail.com#Laptops#Pending#India#Karnataka#Mangaluru#2016-26-02 05:26:06  
4#user4#user4@gmail.com#Mobiles#Success#US#Washington#Seattle#2016-26-02 05:26:06  
9#user9#user9@gmail.com#Mobiles#Pending#India#Chennai#Madras#2016-26-02 05:26:06  
4#user4#user4@gmail.com#Tablets#Failure#India#Chennai#Madras#2016-26-02 05:26:06  
3#user3#user3@gmail.com#Mobiles#Success#US#New York#Albany#2016-26-02 05:26:06  
2#user2#user2@gmail.com#Mobiles#Pending#India#Andhra Pradesh#Vijayawada#2016-26-02 05:26:06  
3#user3#user3@gmail.com#Televisions#Pending#US#Hawaii#Hanapepe#2016-26-02 05:26:06  
orienit@kalyan:~$
```