# CSP554—Big Data Technologies

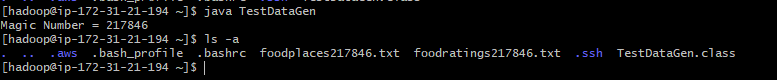
## Assignment #5 (Modules 06)

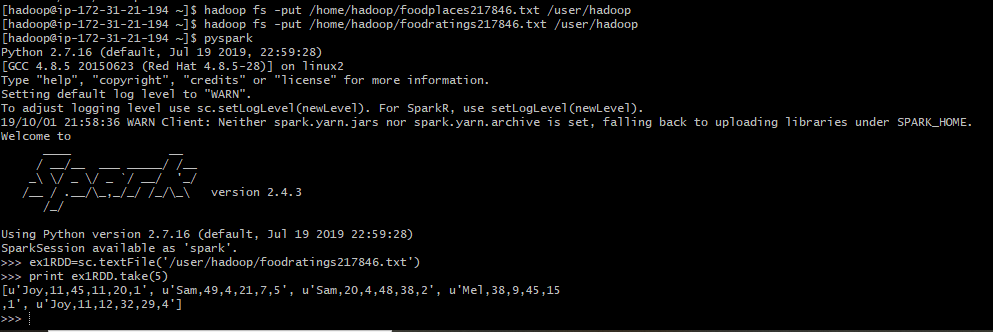
**Exercise 1:**

Read in the text file into an RDD named ex1RDD.

List the first five records of the RDD using the “take(5)” action and copy them and the “magic number to your assignment submission for this exercise.

Magic Number: **217846**

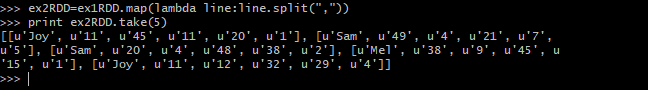




**Exercise 2:**

Create another RDD called ex2RDD where each record of this new RDD has 6 fields, each a string, by splitting apart each record on “,” boundaries from the ex1RDD.

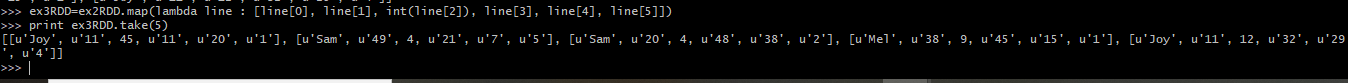
List the first five records of this RDD using the “take(5)” action and copy them to your assignment submission for this exercise.

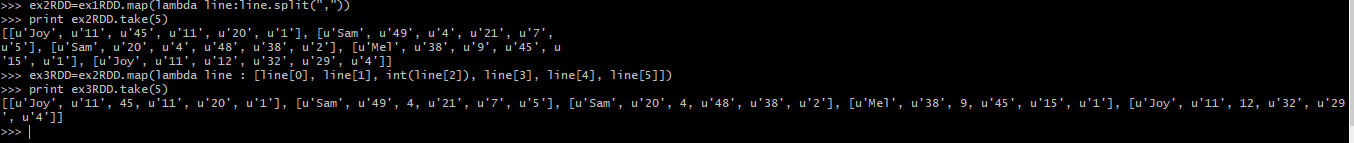


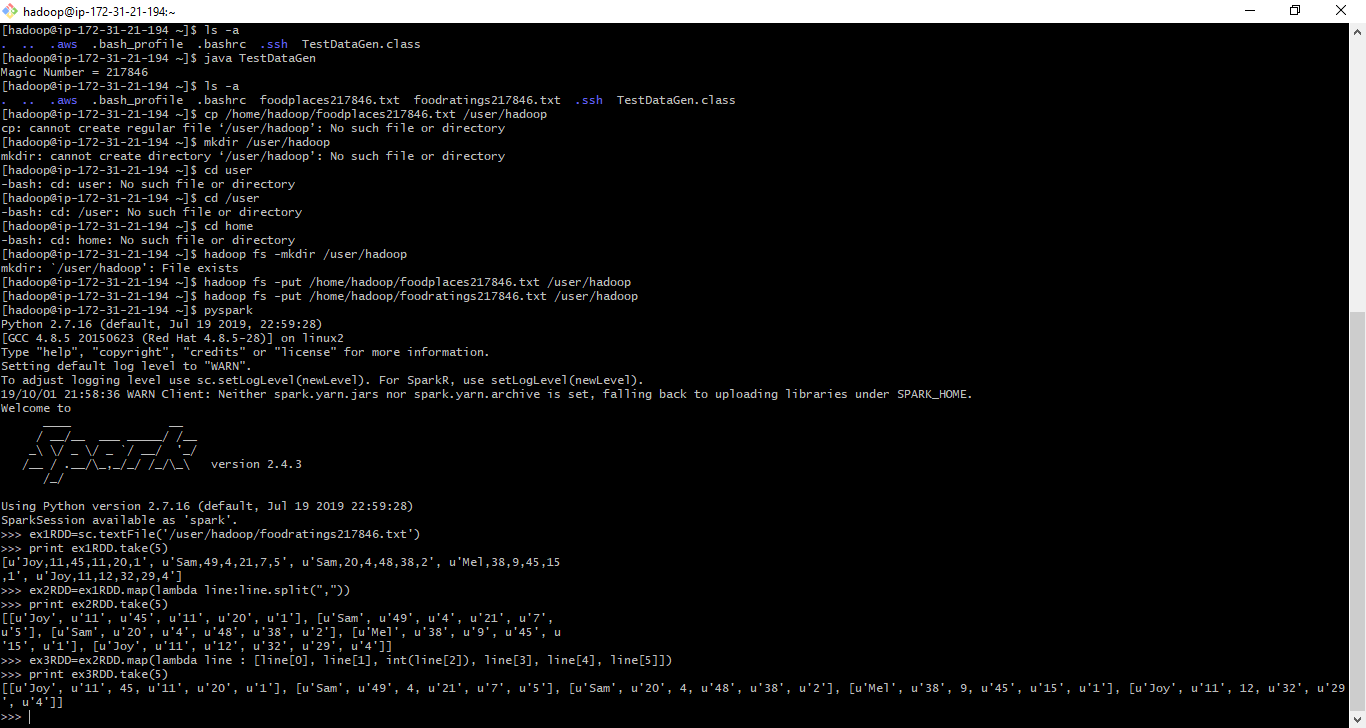
**Exercise 3:**

Create another RDD called ex3RDD from ex2RDD where each record of this new RDD has its third column converted from a string to an integer.

List the first five records of this RDD using the “take(5)” action and copy them to your assignment submission for this exercise.





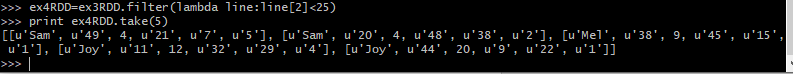


Note: Due to clarity issues I have pasted 3 snips for my answer.

**Exercise 4:**

Create another RDD called ex4RDD from ex3RDD where each record of this new RDD is allowed to have a value for its third field that is less than 25 (<25).

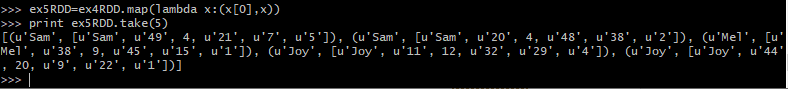
List the first five records of this RDD using the “take(5)” action and copy them to your assignment submission for this exercise.



**Exercise 5:**

Create another RDD called ex5RDD from ex4RDD where each record is a key value pair where the key is the first field of the record and the value is the entire record

List the first five records of this RDD using the “take(5)” action and copy them to your assignment submission for this exercise



**Exercise 6:**

Create another RDD called ex6RDD from ex5RDD where the records are organized in ascending order by key

List the first five records of this RDD using the “take(5)” action and copy them to your assignment submission for this exercise.

