Assume you have the below data in word.txt

**All sports are sufficed using s\_**

**All fruits are sufficed using f\_**

**word1.txt**

f\_apple f\_orange f\_banana

s\_tennis s\_cricket s\_football s\_tennis

f\_papaya f\_papaya f\_orange

s\_badminton s\_badminton s\_cricket

**word2.txt**

s\_cricket s\_cricket s\_football s\_cricket

f\_apple f\_carrot f\_apple f\_carrot

f\_banana f\_orange f\_apple

Develop Map-Reduce program to find the word count of each sports and fruits. Remove f\_ and s\_ suffice in that process.

The word count of sports should fall in a separate file(sports\_count.txt),

and count of fruit should fall in a separate file(fruit\_count.txt).

Map:

map(LongWritable offset,Text line,Context ctx)

{

String data=line.toString();

String words[]=data.split(" ");

context.write(word,one);

}

f\_apple [ 1 1 1 1]

f\_orange [1,1,1]

check if the current group is fruit or sports

if fruit, count the occurrence, remove prefix and write it in fruit.txt

if sports, count the occurrence, remove prefix and write it in sport.txt

**Changing output file name**

**Single Reducer Writing into Multiple File**

Multiple Output in value

Custom Writable

mapper reducer:part-r-000000

map job:- (word1.txt,word2.txt)

part-m-000000

part-m-000001

**Working with Multiple Output file**

MultipleOutputs mos= new MultipleOutps(context);

reduce(){

context.write(apple,5);

mos.write(apple,5,word.txt)

}