Input & Output Methods

Input Method

```
 br = new BufferedReader(new FileReader(csvFile));
   while ((line = br.readLine()) != null) {

      // use comma as separator
      String[] DataLine = line.split(cvsSplitBy);
      double X=Double.parseDouble(DataLine[6]);
      String gramPanchayatName = DataLine[5];
//     double Y=Double.parseDouble(DataLine[7]);
      dataWriter.append(new ClusterCenter(new Vector(0,0)), new Vector(X, 0));


   }
```

////////Input Is Taken From The AllGujarat File////////

Output Method

```
package com.clustering.mapreduce;

import java.io.BufferedReader;
import java.io.*;
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.IOException;
import java.util.ArrayList;

import com.clustering.model.ClusterCenter;
import com.clustering.model.Vector;

public class Classifier {

   public static void main(int Max,int Min,double BigC,double SmallC)
   {
      ArrayList<String> Unsanitized=new ArrayList<String>();
      ArrayList<String> Sanitized=new ArrayList<String>();
      ArrayList<Integer> Unsdata=new ArrayList<Integer>();
      ArrayList<Integer> Sdata=new ArrayList<Integer>();
      String csvFile ="/home/hadoop1/Desktop/Data/AllUP.csv";
      BufferedReader br = null;
      String line = "";
      String cvsSplitBy = ",";

      try {
         br = new BufferedReader(new FileReader(csvFile));
          while ((line = br.readLine()) != null) {
```

```java
            String[] DataLine =
            line.split(cvsSplitBy); int
            X=Integer.parseInt(DataLine[6]);
            String gramPanchayatName =
          DataLine[3]; double
          Y=Double.parseDouble(DataLine[7])
          ;
              if(X>=Min && X<=Max)
              {
                Unsanitized.add(gramPanchay
                atName); Unsdata.add(X);
              }
              else
              {
                Sanitized.add(gramPanchay
                atName); Sdata.add(X);
              }
        }

        System.out.println("Unsa
        nitized"); try {
            FileWriter fw1 = new FileWriter("/home/hadoop1/Desktop/Data/Bosu/
UnsanitizedUP.csv");
            FileWriter fw2 = new FileWriter("/home/hadoop1/Desktop/Data/Bosu/
SanitizedUP.csv");
            fw1.write(BigC+"\n");
        for(int i=0;i<Unsanitized.size();i++)
        {
          fw1.write(Unsanitized.get(i) + "," +
          Unsdata.get(i) + "\n"); if(i<10)
          {
          System.out.print(","+Unsanitized.get(i));
          }
        }

        fw1.close();
        fw2.write(SmallC+"\n");
        System.out.println("Sani
        tized"); for(int
        i=0;i<Sanitized.size();i+
        +)
        {
          fw2.write(Sanitized.get(i) + "," +
          Sdata.get(i) + "\n"); if(i<10)
          {
          System.out.print(","+Sanitized.get(i));
```

```
            }
        }

        fw2.close();
        } catch
          (IOException
          e) {
          e.printStackTr
          ace();
        }

} }} /////Outpfiles have Been Generated With The Names Of GramPanchayats One Unsanitized File
And The Other Is Sanitized File///
```