

- Problem1:

**Step1:** createData.java

**Step2:** query1.java

The data type is Float, the user could decide to define a window or not.

- Problem2: Problem2.java
- Problem 3

**Step 1:** dataCreate.java & OutData.java

Only create the dataset that consists of 2-dimenional points.

**Step 1 & Step 2:** Problem3.java

The seed file will be automatically generated in “/home/hadoop/Desktop/seed.csv” to store the initial seed. And then it will be put in hdfs in “/user/hadoop/Project2/seed.csv”

The three arguments are input file, output file, the number k.

Just input the output file name. Do not need to input the complete path "/user/hadoop".

The output file will be store under “/user/hadoop/PATH”, PATH stands for the output file that was got from command line.