The application for fixing the problem in my updated code

Dear professor:

My name is Yanda.Lu, my student ID is YL65.

My updated assignment has a coding problem in the toString() method in the sparse double vector. The problem leads to the whole program uncomplieable.

In my updated assignment, in the sparse double vector.java, the toString method() has the code as below:

public String toString() {

String doubleString = "";

for (int i = 0; i < len; i++) {

doubleString = doubleString + " " + Double.toString(this.dense\_double\_vector[i]+back\_value);

}

return doubleString;

you can see this toString method content is totally the same with the toString method in dense double vector, I do not know how this happened.

Actually, I wrote a different code for the toString() method in sparse double vector. As the following, if you replace the following code to above, the program can be compiled and pass all the tests:

public String toString() {

String doubleString = "";

Iterator<IIndexedData<Double>> iterator = sparse\_double\_array .iterator();

int i = 0;

while (iterator.hasNext()){

doubleString = doubleString + " " + Double.toString(iterator.next().getData()+back\_value);

i++;

}

for (int x = 0; x < len - i; x ++)

doubleString = doubleString + " " + Double.toString(back\_value);

return doubleString;

}