

```

bigdata@bigdata-VirtualBox:~/A1$ export
HADOOP_CLASSPATH=$(HADOOP_HOME/bin/hadoop classpath)
bigdata@bigdata-VirtualBox:~/A1$ javac -classpath ${HADOOP_CLASSPATH}
solution1.java
bigdata@bigdata-VirtualBox:~/A1$ jar cf solution1.jar solution1*.class
bigdata@bigdata-VirtualBox:~/A1$ $HADOOP_HOME/bin/hadoop fs -put
file1.txt /user/bigdata/
bigdata@bigdata-VirtualBox:~/A1$ $HADOOP_HOME/bin/hadoop fs -put
file2.txt /user/bigdata/
bigdata@bigdata-VirtualBox:~/A1$ $HADOOP_HOME/bin/hadoop fs -cat
/user/bigdata/file1.txt
bolt 45
washer 3
screw 67
screw 23
nail 5
bigdata@bigdata-VirtualBox:~/A1$ $HADOOP_HOME/bin/hadoop fs -cat
/user/bigdata/file2.txt
screw 78
bolt 5
bolt 1
drill 1
drill 1
washer 56
washer 7
bigdata@bigdata-VirtualBox:~/A1$ $HADOOP_HOME/bin/hadoop fs -cat
/user/bigdata/file3.txt
cat: `/user/bigdata/file3.txt': No such file or directory
bigdata@bigdata-VirtualBox:~/A1$ $HADOOP_HOME/bin/hadoop jar
solution1.jar solution1 file1.txt file2.txt file3.txt
bigdata@bigdata-VirtualBox:~/A1$ $HADOOP_HOME/bin/hadoop fs -cat
/user/bigdata/file3.txt
bolt 45
washer 3
screw 67
screw 23
nail 5
screw 78
bolt 5
bolt 1
drill 1
drill 1
washer 56
washer 7
bigdata@bigdata-VirtualBox:~/A1$

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```

import org.apache.hadoop.fs.FSDataOutputStream;
import org.apache.hadoop.fs.FileStatus;
import org.apache.hadoop.fs.FileSystem;
import org.apache.hadoop.fs.Path;
import java.util.Random;

public class solution1 {

    public static void main(String[] args) throws IOException {

        Configuration conf = new Configuration();
        FSDataInputStream in1 = null;
        FSDataInputStream in2 = null;

        FileSystem hdfs = FileSystem.get(URI.create(args[2]), conf);

        try {
            FileSystem fs = FileSystem.get(conf);
            Path inFile1 = new Path(args[0]);
            in1 = fs.open(inFile1);

            Path outFile = new Path(args[2]);
            FSDataOutputStream out = hdfs.create(outFile);
            byte buffer[] = new byte[256];
            int bytesRead = 0;
            while( (bytesRead = in1.read(buffer)) > 0)
                out.write(buffer, 0, bytesRead);
            in1.close();
            Path inFile2 = new Path(args[1]);
            in2 = fs.open(inFile2);
            while( (bytesRead = in2.read(buffer)) > 0)
                out.write(buffer, 0, bytesRead);
            out.close();
        } catch (IOException e) {
            e.printStackTrace();
        }
    }
}

```