Correction TD9 – Groupe 1

Memo:

Step 0: import java.io.*;

Step 1 : initialize it

Buffered Reader fr =
new Buffered Reader (new
File Reader (_____));
(name of the file + its extension)

Buffered Writer fw =
new Buffered Writer (new
File Writer (_____));
(name of the file + extension)

Step 2: add IOException to the
action / function

String example() throws IOException {

Step 3: use the buffered
Reader and Writer

String line = fr.readLine();
while (line != null) {

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 line = fr.readLine();
}

read All Lines

String hello = "Hello World!";
fw.write (hello);
fw.newLine();

write a line
and then go
to the next one.

Step 4: close the buffered Reader
and Writer

fr.close();
fw.close();

Exercise 1:

```
static void add (String filename, int n) throws IOExaption {

    BufferedReader fr = new BufferedReader (new FileReader ( filename));

    String line = fr.readLine(), nb1 , nb2;
    int n1,n2;
    while ( line != null) {

        nb1 =   line.substring(0,  line.indexOF(' ')); //extract nb1
        n1 = Integer.parseInt( nb1); //transform into an integer
        nb2 = line.substring (line.indexOF(' ')+1); //extract nb2
        n2 = Integer x.parseInt (nb2); //transform into an integer

        if ( Math.abs ( n1 - n2) == n){
            Sop (line);
        }

        line = fr.readLine();

    }
    fr.close();
}
```

Exercise 2:

```
BufferedWriter fw = new BufferedWriter (new FileWriter ("master_yi.txt");
int unit, dozen, hundred;
for (int i= 100; i <= 999; i++){
    unit = i % 100;
    dozen = (i /10) % 10;
    hundred = (i /100) % 10;
    if (unit != dozen && dozen != hundred && unit != hundred){
        fw.write ("" + hundred +""+dozen +""+ unit+";");
    }
}
fw.close ();
```