

# Sample Program 10.1

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## About File I/O

**Problem statement.** Write a code block to open a file `data.txt` and count the number of lines in it.

### Solution.

```
int nLines = 0;
String fileName = "data.txt";
BufferedReader fin;
fin = new BufferedReader(new FileReader(fileName));

while (fin.ready())
{
    String line;
    line = fin.readLine();
    nLines++;
}
fin.close();

System.out.println("The file " + fileName + " is " + nLines + " long.");
```

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**Problem statement.** Write a code block to copy the file `dataOld.txt` to `dataNew.txt`.

### Solution.

```
BufferedReader fin;
fin = new BufferedReader(new FileReader("dataOld.txt"));

PrintWriter fout;
fout = new PrintWriter(new FileWriter("dataNew.txt"));

while (fin.ready())
{
    String line;
    line = fin.readLine();
    fout.println(line);
}

fout.close();
fin.close();
```