

(1) Java

As text files often contain format control symbols which are invisible ASCII symbols, you cannot use Java Scanner class which treats all invisible symbols as white spaces. Instead, you need to use Java's FileReader class. The following is an example:

```
import java.util.*;
import java.io.*;
public class hint {
    public static void main(String[] args) throws IOException{
        String bookName = "somebook.txt";
        HashMap<Character, Integer> M = new HashMap<>();//occurrences counting
        FileReader fr = new FileReader(bookName);
        char[] cbuf = new char[512]; //read in characters from the book in group of 512
        int wcnt = 0; //total character (visible and invisible) count
        while(true) {
            int cnt = fr.read(cbuf);//cbuf may not be fully used if it is the last group
            if(cnt==-1) break; //end of the book
            wcnt+=cnt;
            for(int i=0; i<cnt; i++) {
                Character c = cbuf[i]; //extract one character, update its counting
                if(M.containsKey(c)) M.put(c, M.get(c)+1);
                else M.put(c, 1);
            }
        }
        fr.close();
        //...
        //...
        //...
    }
}
```

(2) Python example

```
bookName = "somebook.txt"
```

```
with open(bookName) as f:
```

```
    D = {} #occurrences counting dictionary
```

```
    wcnt = 0 #total character
```

```
    while True:
```

```
        line = f.readline() #read in a line (newline char included)
```

```
        if len(line)==0: break #end of the book
```

```
        else:
```

```
            wcnt += len(line)
```

```
            for x in line: #extract each char and update counting
```

```
                if x in D: D[x]+=1
```

```
                else: D[x]=1
```