

```

1  import java.io.*;
2  import java.util.*;
3
4  class fileRead{
5
6      public static void main(String[] args){
7
8          try{
9
10             Scanner input = new Scanner(System.in);
11
12             String filename;
13             System.out.print("Enter a file name: ");
14             filename = input.nextLine();
15
16             FileReader fr = new FileReader(filename);
17             BufferedReader br = new BufferedReader(fr);
18
19             String line = null;
20
21             while ( (line = br.readLine() ) != null){
22
23                 System.out.println("Line Read: "+line);
24
25                 System.out.print("Extracted node ids: ");
26                 StringTokenizer stk = new StringTokenizer(line, ",: ");
27                 while (stk.hasMoreTokens()){
28                     String token = stk.nextToken();
29                     int nodeid = Integer.parseInt(token);
30                     System.out.print(nodeid+" ");
31                 }
32
33                 System.out.println('\n');
34
35             }
36
37         }
38         catch(Exception e){e.printStackTrace();}
39
40     }
41 }

```

Enter a file name: binaryTreeFile_1.txt

Line Read: 0: 1, 2

Extracted node ids: 0 1 2

Line Read: 1: 3, -1

Extracted node ids: 1 3 -1

Line Read: 2: 4, 5

Extracted node ids: 2 4 5

Line Read: 3: -1, 6

Extracted node ids: 3 -1 6

Line Read: 4: 7, 8

Extracted node ids: 4 7 8

Line Read: 7: 9, -1

Extracted node ids: 7 9 -1