```java
1 import java.io.BufferedReader;
11
12 /**
13  * This class let the user choose a file in the same directory as the program, then splits it
   into 5 files.
14  * @author Minghao Shan
15  * @version 10/5/2017
16  */
17 public class SplitFiles {
18     private static File file;
19     private static String filePath;
20
21     /**
22      * This program splits the selected file to
23      * @param path The path where the file is copied from
24      * @throws IOException Input/Output errors
25      */
26     public static void splitFile(Path path) throws IOException
27     {
28         int size = (int) Files.size(path);
29         int extraSize = size%5;
30         int splitSize = size/5;
31         BufferedReader bReader = new BufferedReader(new FileReader(filePath));
32
33         for(int i = 0; i < 5; i++)
34         {
35             file = new File(size/(1024*1024) + "Mb_" + i + ".txt");
36             BufferedWriter bWriter = new BufferedWriter(new FileWriter(file));
37             if(extraSize > 0)
38             {
39                 for(int j = 0; j < (splitSize + 1); j++)
40                 {
41                     char data = (char) bReader.read();
42                     bWriter.write(data);
43                 }
44                 extraSize--;
45             }
46             else
47             {
48                 for(int j = 0; j < (splitSize); j++)
49                 {
50                     char data = (char) bReader.read();
51                     bWriter.write(data);
52                 }
53             }
54             bWriter.close();
55             System.out.println("File " + i +" has finished");
56         }
57         bReader.close();
58     }
59
60     /**
61      * Main program
62      */
63     public static void main(String[] args)
64     {
65         Scanner in = new Scanner(System.in);
```

```
66        System.out.println "Enter file or directory name:" ;
67        filePath = in.nextLine ();
68        Path path = Paths.get filePath );
69        try {
70            Scanner readFile = new Scanner path );
71            splitFile path ;
72            in.close ();
73            readFile.close ();
74        } catch  IOException e1 ) {
75            System.err.println "Error opening, reading or writing the file." );
76        }
77        System.out.println "Program terminates" );
78    }
79  }
80
```