15.You have been given the list of the names of the files in a directory. You have to select Java files from them. A file is a Java file if it’s name ends with “.java”. For e.g. File- “Names.java” is a Java file,“FileNames.java.pdf” is not. Input: test.java, ABC.doc, Demo.pdf, add.java, factorial.java, sum.txt Output: tset.java, add.java, factorial.java

**Code:-**

**import java.util.ArrayList; import java.util.List;**

**public class assg1 {**

**public static void main(String[] args) { List<String> fileNames = new ArrayList<>(); fileNames.add("test.java"); fileNames.add("ABC.doc"); fileNames.add("Demo.pdf"); fileNames.add("add.java"); fileNames.add("factorial.java"); fileNames.add("sum.txt");**

**List<String> javaFiles = new ArrayList<>();**

**for (String fileName : fileNames) { if (fileName.endsWith(".java")) { javaFiles.add(fileName);**

**}**

**}**

**for (String javaFile : javaFiles) { System.out.println(javaFile);**

**}**

**}**

**}**