

```
1 public class File {  
2     private String fileName = "";  
3  
4     File(String file_name) {  
5         fileName = file_name;  
6     }  
7  
8     public void SetFileName(String file_name) {  
9         fileName = file_name;  
10    }  
11  
12    public String GetFileName() {  
13        return fileName;  
14    }  
15 }  
16
```

```

1 public class Main {
2     public static void main(String[] args) {
3
4         Folder php_demo1_folder = new Folder("php_demo1");
5
6         Folder sources_folder = new Folder("Sources");
7         php_demo1_folder.AddFolder(sources_folder);
8
9         Folder phalcon_folder = new Folder(".phalcon");
10        sources_folder.AddFolder(phalcon_folder);
11
12        Folder app_folder = new Folder("app");
13        sources_folder.AddFolder(app_folder);
14
15        Folder config_folder = new Folder("config");
16        app_folder.AddFolder(config_folder);
17
18        Folder controllers_folder = new Folder("controllers");
19        app_folder.AddFolder(controllers_folder);
20
21        Folder library_folder = new Folder("library");
22        app_folder.AddFolder(library_folder);
23
24        Folder migrations_folder = new Folder("migrations");
25        app_folder.AddFolder(migrations_folder);
26
27        Folder models_folder = new Folder("models");
28        app_folder.AddFolder(models_folder);
29
30        Folder views_folder = new Folder("views");
31        app_folder.AddFolder(views_folder);
32
33        Folder cache_folder = new Folder("cache");
34        sources_folder.AddFolder(cache_folder);
35
36        Folder public_folder = new Folder("public");
37        sources_folder.AddFolder(public_folder);
38
39        public_folder.AddFile(new File("htaccess"));
40        public_folder.AddFile(new File(".htrouter.php"));
41        public_folder.AddFile(new File("index.html"));
42
43        Folder include_path_folder = new Folder("Include Path");
44        php_demo1_folder.AddFolder(include_path_folder);
45
46        Folder remote_files_folder = new Folder("Remote Files");
47        php_demo1_folder.AddFolder(remote_files_folder);
48
49        System.out.println("Original Folder Structure\n
-----");
50        php_demo1_folder.PrintFileStructure();
51
52        System.out.println();
53        System.out.println();
54
55        System.out.println("Folder Structure After Deleting app Folder\n
-----");
56        sources_folder.Delete(app_folder);
57        php_demo1_folder.PrintFileStructure();
58
59        System.out.println();
60        System.out.println();
61
62        System.out.println("Folder Structure After Deleting public Folder\n
-----");
63        sources_folder.Delete(public_folder);
64        php_demo1_folder.PrintFileStructure();

```

```
65     }  
66 }
```

```
1 import java.util.Vector;
2
3 public class Folder {
4     private String folderName = "";
5     private Folder parentFolder = null;
6     private final Vector<Folder> subFolders = new Vector<>();
7     private final Vector<File> files = new Vector<>();
8
9     static boolean initPrint = false;
10
11     Folder() {
12     }
13
14     Folder(String folder_name) {
15         folderName = folder_name;
16     }
17
18     public void SetFolderName(String folder_name) {
19         folderName = folder_name;
20     }
21
22     public void AddFolder(Folder new_folder) {
23         new_folder.parentFolder = this;
24         subFolders.add(new_folder);
25     }
26
27     public void AddFile(File new_file) {
28         files.add(new_file);
29     }
30
31     public void Delete(Folder folder) {
32         subFolders.remove(folder);
33     }
34
35     public void Delete(File file) {
36         files.remove(file);
37     }
38
39     public void PrintFileStructure() {
40         System.out.println(folderName);
41         PrintFileStructureStart();
42     }
43     private void PrintFileStructureStart() {
44         for(Folder f : subFolders) {
45             StringBuilder indentation = new StringBuilder();
46             indentation.append(" ");
47             Folder tmp_folder = parentFolder;
48
49             while (tmp_folder != null) {
50                 indentation.append(" ");
51                 tmp_folder = tmp_folder.parentFolder;
52             }
53
54             System.out.println(indentation + "+" + f.folderName);
55
56             f.PrintFileStructureStart();
57         }
58
59         for(File f : files) {
60             StringBuilder indentation = new StringBuilder();
61             indentation.append(" ");
62             Folder tmp_folder = parentFolder;
63
64             while (tmp_folder != null) {
65                 indentation.append(" ");
66                 tmp_folder = tmp_folder.parentFolder;
67             }
68         }
69     }
```

```
68
69         System.out.println(indentation + "+" + f.GetFileName());
70     }
71 }
72
73
74
75 }
76
```