**Directory**

**package** phase1Project.virtualkey.entities;

**import** java.util.ArrayList;

**import** java.util.Collections;

**import** java.io.File;

**import** java.nio.file.FileSystems;

**import** java.nio.file.Path;

**public** **class** Directory {

**public** **static** **final** String ***name*** = "src/phase1Project/directory/";

**private** ArrayList<File> files = **new** ArrayList<File>();

Path path = FileSystems.*getDefault*().getPath(***name***).toAbsolutePath();

File Dfiles = path.toFile();

**public** String getName() {

**return** ***name***;

}

**public** **void** print() {

System.***out***.println("Existing Files: ");

files.forEach(f -> System.***out***.println(f));

}

**public** ArrayList<File> fillFiles() {

File[] directoryFiles = Dfiles.listFiles();

files.clear();

**for** (**int** i = 0; i < directoryFiles.length; i++) {

**if** (directoryFiles[i].isFile()) {

files.add(directoryFiles[i]);

}

}

Collections.*sort*(files);

**return** files;

}

**public** ArrayList<File> getFiles() {

fillFiles();

**return** files;

}

**public** **void** mergeSort() {

}

}