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package ext.demo.remoteworkflow;

import java.io.IOException;
import java.nio.file.DirectoryStream;
import java.nio.file.FileSystems;
import java.nio.file.Files;
import java.nio.file.Path;
import java.util.ArrayList;
import java.util.List;

public class FileHelper {

    List<Path> fileList = new ArrayList<Path>();
    String dirPath = "";

    public String getDirPath() {
        return dirPath;
    }

    public void setDirPath(String dirPath) {
        this.dirPath = dirPath;
    }

    public FileHelper(String dirPath) {
        this.dirPath = dirPath;
    }

    public void listFiles() {
        Path path = FileSystems.getDefault().getPath(dirPath);
        searchFiles(path);
        for (Path filePath: fileList) {
            System.out.println(filePath.toAbsolutePath());
        }
    }

    public List<Path> getFiles() {
        Path path = FileSystems.getDefault().getPath(dirPath);
        searchFiles(path);
        return fileList;
    }

    private void searchFiles(Path filePath) {
        try {
            DirectoryStream<Path> stream = Files.newDirectoryStream(
                filePath);
            for (Path path: stream) {
                if (Files.isDirectory(path)) {
                    searchFiles(path);
                } else {
                    fileList.add(path);
                }
            }
        } catch (IOException e) {
            // TODO Auto-generated catch block
            e.printStackTrace();
        }
    }
}
```