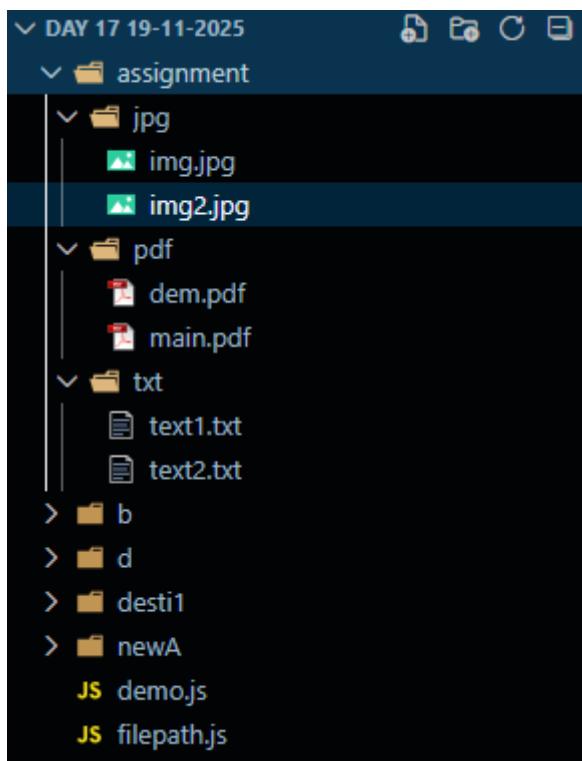


Class Assignment on File Organization

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Folder structure after executing code:



Code:

```
JS demo.js > ...
253 // assignment
254
255 const fs = require('fs').promises;
256 const path = require('path');
257
258 const targetDir = path.join(__dirname, 'assignment');
259
260 async function organizeAssignmentFiles() {
261   console.log(`Starting file organization in: ${targetDir}`);
262
263   try {
264     const items = await fs.readdir(targetDir);
265
266     for (const item of items) {
267       const fullPath = path.join(targetDir, item);
268       let stats;
269
270       try {
271         stats = await fs.stat(fullPath);
272       } catch (statErr) {
273         continue;
274       }
275
276       if (stats.isDirectory()) {
```

```
JS demo.js > ...
260   async function organizeAssignmentFiles() {
261     if (!ext) {
262       console.log(`Skipping item with no extension: ${item}`);
263       continue;
264     }
265
266     const extFolderName = ext.slice(1);
267     const destDir = path.join(targetDir, extFolderName);
268     const destPath = path.join(destDir, item);
269
270     await fs.mkdir(destDir, { recursive: true });
271
272     await fs.rename(fullPath, destPath);
273     console.log(`Moved: ${item} -> ${extFolderName}/`);
274   }
275
276   console.log('\nFile organization complete!');
277
278 } catch (err) {
279   console.error(`\nAn error occurred during file organization:`, err);
280 }
281
282 }
283
284 organizeAssignmentFiles();
```

OUTPUT DEBUG CONSOLE PORTS

TERMINAL

PS C:\Users\gaura\OneDrive\Desktop\FINACLE TRAINING\Node.js and V8JS\Day 17 19-11-2025> node demo
Starting file organization in: C:\Users\gaura\OneDrive\Desktop\FINACLE TRAINING\Node.js and V8JS\Day 17 19-11-2025\assignment
File organization complete!