

# Node.js Assignment: path Module

## Objective:

Understand and use the `path` module in Node.js to manipulate and work with file paths.

## Instructions:

Create a Node.js script named `pathAssignment.js` and perform the following tasks using the `path` module.

## Tasks:

1. Import the `path` module.

2. Create and print the following values using the `path` module:

a. Get the basename of the file path:

```
const filePath = "/home/user/NodeProjects/pathAssignment.js";
```

b. Get the directory name from the above path.

c. Get the file extension from the path.

d. Join "folder", "subfolder", and "file.txt" into a complete path.

e. Resolve the absolute path of "../folder/file.js" from the current directory.

f. Parse the `filePath` and print each part of the parsed object (root, dir, base, ext, name).

3. Extra Task (Optional):

Write a function `getFileInfo(filePath)` that returns an object with:

- File name
- Extension
- Directory

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- Whether the path is absolute

### Submission:

Save your file as `pathAssignment.js`

Upload it to your GitHub repo

Share the GitHub link in your assignment submission sheet

### Example Output:

Base name: pathAssignment.js

Directory: /home/user/NodeProjects

Extension: .js

Joined path: folder/subfolder/file.txt

Resolved path: /home/user/NodeProjects/folder/file.js

Parsed path:

```
{  
  root: '/',  
  dir: '/home/user/NodeProjects',  
  base: 'pathAssignment.js',  
  ext: '.js',  
  name: 'pathAssignment'  
}
```