# Assignment 3

1- **Write a function that prints the full path of the current file. (1 Grade)**

**Input**: (No input)

**Output**: /path/to/current/file.js

2- **Write a function that takes a file path and returns its file extension. (1 Grade)**

**Input**: /path/to/file.txt

**Output**: .txt

3- **Write a function that checks if a given path is absolute. (1 Grade)**

**Input**: /path/to/file.txt

**Output**: true

**Input**: file.txt

**Output**: false

4- **Write a function that joins two paths. (1 Grade)**

**Input**: /folder1, folder2/file.txt

**Output**: /folder1/folder2/file.txt

5- **Write a function that demonstrates the difference between path.parse and path.format. The function should take a file path as input, parse it, log the parsed object to the console, then reformat it and log the formatted path to the console. (2 Grades)**

**Input**: /path/to/file.txt

**Output:**

- **Parsed object**: { root: '/', dir: '/path/to', base: 'file.txt', ext: '.txt', name: 'file' }
- **Formatted path:** /path/to/file.txt

6- **Write a function that deletes a file. (1 Grade)**

**Input**: Path to the file /path/to/file.txt

**Output**: The file is deleted. No explicit output.


# Assignment 3


7- **Write a function that creates a folder. (1 Grade)**

**Input**: Path to the folder /path/to/newFolder

**Output**: The folder is created. No explicit output.

8- **Write a function that creates a custom event and listens for. Trigger the event with a message. (2 Grades)**

**Input**: Event: greet, Message: Hello Event!

**Output**: The event is triggered and the message Hello Event! is logged.

## Bonus (2 Grades)

### How to deliver the bonus?

1- Solve the problem Counter II on **LeetCode**

2- Inside your assignment folder, create a **SEPARATE FILE** and name it “bonus.js”

3- Copy the code that you have submitted on the website inside ”bonus.js” file