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Sec: B(B2)

Practical 10 Final Task B2

Note: Inserting data into a JSON file using JavaScript typically involves Node.js, as direct file system access is restricted in client-side JavaScript for security reasons. If you want to learn it separate document has been attached with this final task link in the google classroom.

Develop a small web page that:

* Fetches JSON data (via Fetch API and jQuery AJAX / $.getJSON())
* Dynamically displays it in a table or list
* Allows user interaction (filter/search/sort/add temporary data)
* Enhances visual feedback using DOM or CSS updates

## Employee Directory Manager

### Task Description:

Create a web page that displays an employee directory loaded from a employees.json file using both:

1. Fetch API
2. jQuery $.getJSON()

After loading, display all employees in a table.  
Then, allow the user to filter employees by department and highlight employees with salaries above 50,000.

### Files:

* index.html
* script.js
* employees.json

### Hints / Steps:

Prepare a employees.json file like (Use different customize data must have 5 records):  
 [

{"id":1,"name":"John Doe","department":"HR","salary":45000},

{"id":2,"name":"Priya Sharma","department":"IT","salary":67000},

{"id":3,"name":"Ali Khan","department":"Finance","salary":52000}

]

1. Load the data with fetch() → Display table
2. Load again with $.getJSON() → Display another table for comparison
3. Add a select dropdown with departments (auto-fill unique departments from JSON).
4. When user selects a department → show only those employees.
5. Use JS condition: if salary > 50000 → highlight with a light-green background.
6. Use console.table() for debugging.

### Challenge Constraints:

* Must generate dropdown dynamically from JSON data.
* No static HTML tables allowed — all DOM elements must be created dynamically.
* Include at least one self-written function for filtering.

