

Node.js Hands-On Practise Assignment-1

Part 1: Enhanced FizzBuzz

Write a Node.js script named `fizzbuzz.js` that prints numbers from **1 to 100**, each on a **separate line**, but with the following rules:

- If a number is divisible by **3**, print `"foo"`
- If divisible by **5**, print `"bar"`
- If divisible by **both 3 and 5**, print `"foobar"`
- Else, just print the number

☒ **Bonus:** Use **ES6 features** like `let`, `const`, arrow functions, template literals.

Part 2: Recursive Factorial Function

Write another Node.js script called `factorial.js` that:

- Accepts a **number as input** from the user via `process.argv`
- Uses a **recursive function** to calculate the **factorial** of the number
- Displays the result in the console

☒ **Example:** `node factorial.js 5`
Output: The factorial of 5 is 120

☒ **Bonus:** Handle edge cases (negative number, no input, etc.)

Part 3: Try in Node REPL

- Open REPL using `node`
 - Type and test:
 - A simple function (e.g., squaring a number)
 - Your recursive factorial function
 - `typeof` and `console.log()`
 - Practice using `let`, `const`, arrow functions
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Deliverables

- `fizzbuzz.js`
- `factorial.js`
- Screenshot of Node REPL session (optional)
- Output of both programs (as text or screenshot)