**Test 1: Asynchronous Processing and Event Loop in JavaScript**

**Approach**

The main focus of this article is to explore how asynchronous processing works in JavaScript, particularly the concept of the **Event Loop**. This article will also help in understanding how JavaScript operates and how to use it effectively.

**How to Run Code in Terminal**

**1/ Install ts-node if not already installed:**

* npm install -g ts-node

**2/ Run the TypeScript file using ts-node:**

* ts-node main.ts

**Reference Documentation**

* [**TypeScript Guide on VS Code**](https://code.visualstudio.com/docs/typescript/typescript-compiling)

**Test 2: ReactJS + TypeScript Project with Ant Design**

**Approach**

In this project, I implemented an application using ReactJS + TypeScript and used Ant Design to assist in developing the user interface (UI/UX) more easily. Additionally, I utilized React Hooks to manage state and props when needed.

**How to Run Code in Terminal**

**1/ Install dependencies:**

* npm install

**2/ Run the application in development mode:**

* npm run dev

**Tools and Libraries Used**

* JavaScript/TypeScript
* ReactJS (with React Hooks)
* Ant Design (UI/UX component library)
* Node.js and npm (package manager)

**Reference Documentation:**

* [**TypeScript Guide on VS Code**](https://code.visualstudio.com/docs/typescript/typescript-compiling)