* PHP is traditionally **synchronous**, meaning it processes one request at a time per request/response cycle. When a request comes in, PHP processes it and sends back the response. If there are multiple requests coming in at the same time, PHP will process them sequentially (in the order they are received).
* Node.js is a runtime environment for running JavaScript on the server-side, allowing developers to build fast and scalable network applications. It's event-driven, non-blocking, and uses JavaScript across the stack, making it a great choice for modern web applications, real-time communication, and APIs.