


2022

Synchronous vs. Asynchronous JavaScript.



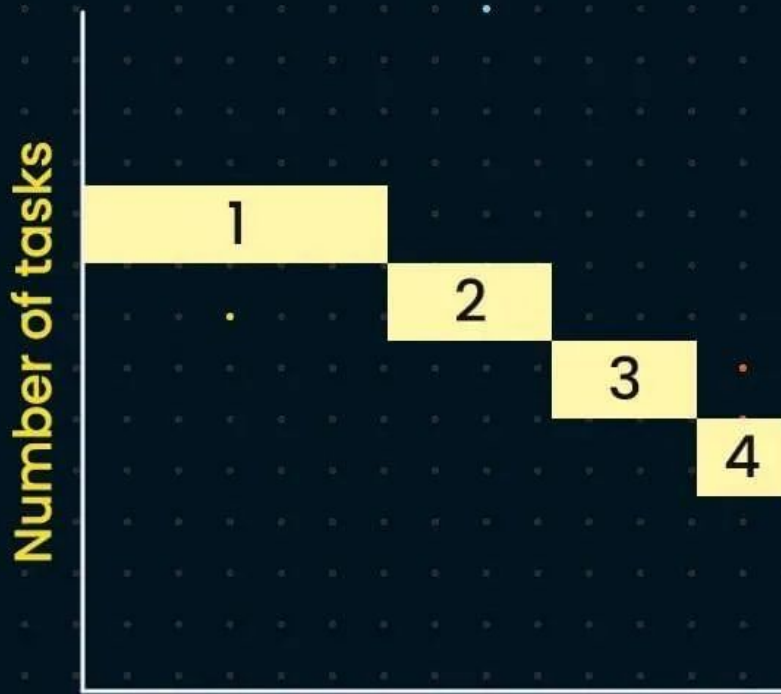
Gulraiz.



JS

JavaScript is a single-threaded language,
but **at the same time**, also **non-blocking**,
asynchronous, and **concurrent**.

Synchronous



Total time taken by the tasks.

45 seconds

Asynchronous



Total time taken by the tasks.

20 seconds

Synchronous JavaScript ~

Statements are executed **one at a time** in the order in which they appear. Each **statement waits for the previous to finish**, also known as “blocking”.

```
//Synchronous JS  
console.log("first");  
console.log("second");  
console.log("third");
```