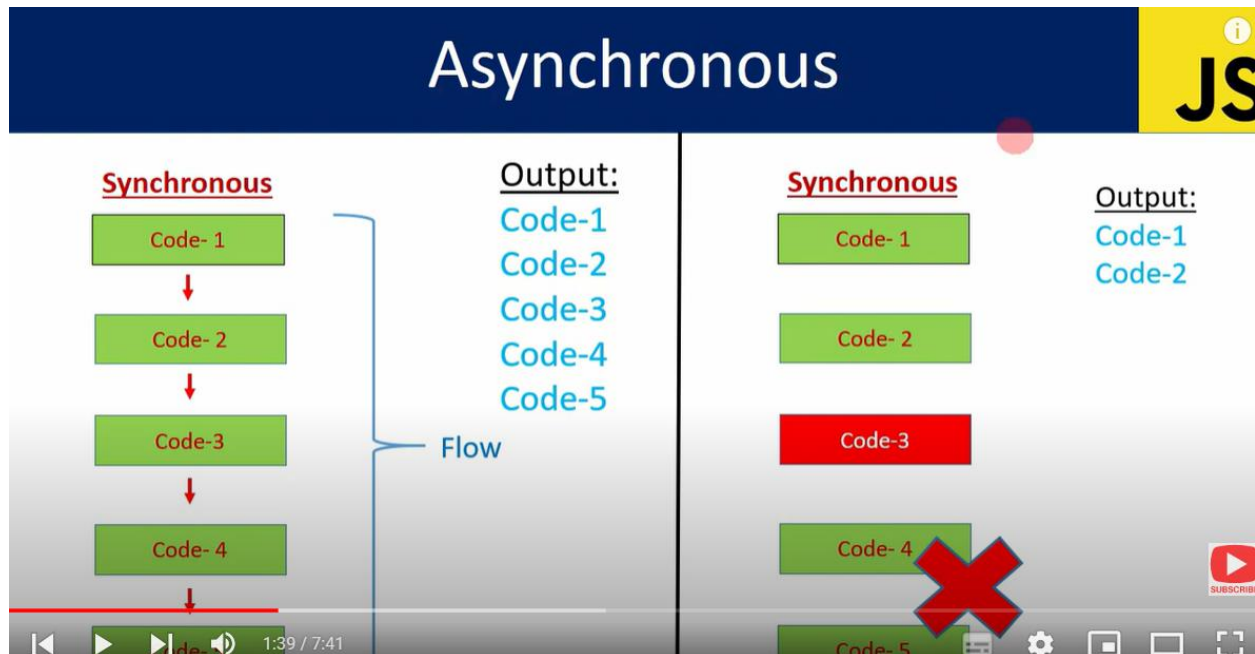
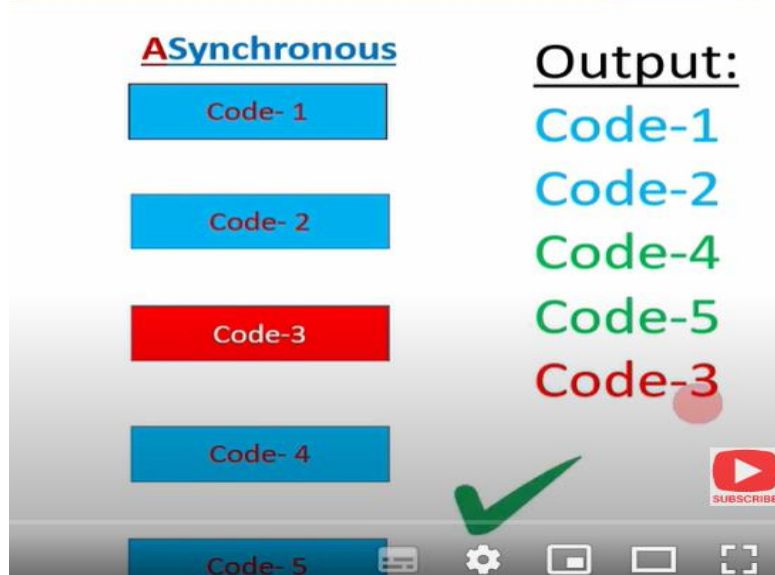


Asynchronous



Here in synchronous we got **error at code 3** due to that code 4 and code 5 not getting executed to over this **Asynchronous is introduces.**

How asynchronous work



Asynchronous



- JavaScript is single-threaded
- Asynchronous programming provides a mechanism for managing long-running operations without interrupting the flow of the program.
- Asynchronous operations involve the use of **callbacks**, **Promises**, or **async/await** syntax



main.js	Run	Output
<pre>1 // Online Javascript Editor for free 2 // Write, Edit and Run your Javascript code using JS Online Compiler 3 4 console.log("1"); 5 console.log("2"); 6* setTimeout(()=>{ 7 console.log("3") 8 } ,3000) 9 console.log("4"); 10 console.log("5"); 11 12</pre>		<pre>node /tmp/JHZYhqWMBj.js 1 2 4 5 3 ←</pre>

Here in 3 there is delay of 3sec(3000ms) here 4 5 got executed without waiting for 3 this is due to **Asynchronous**