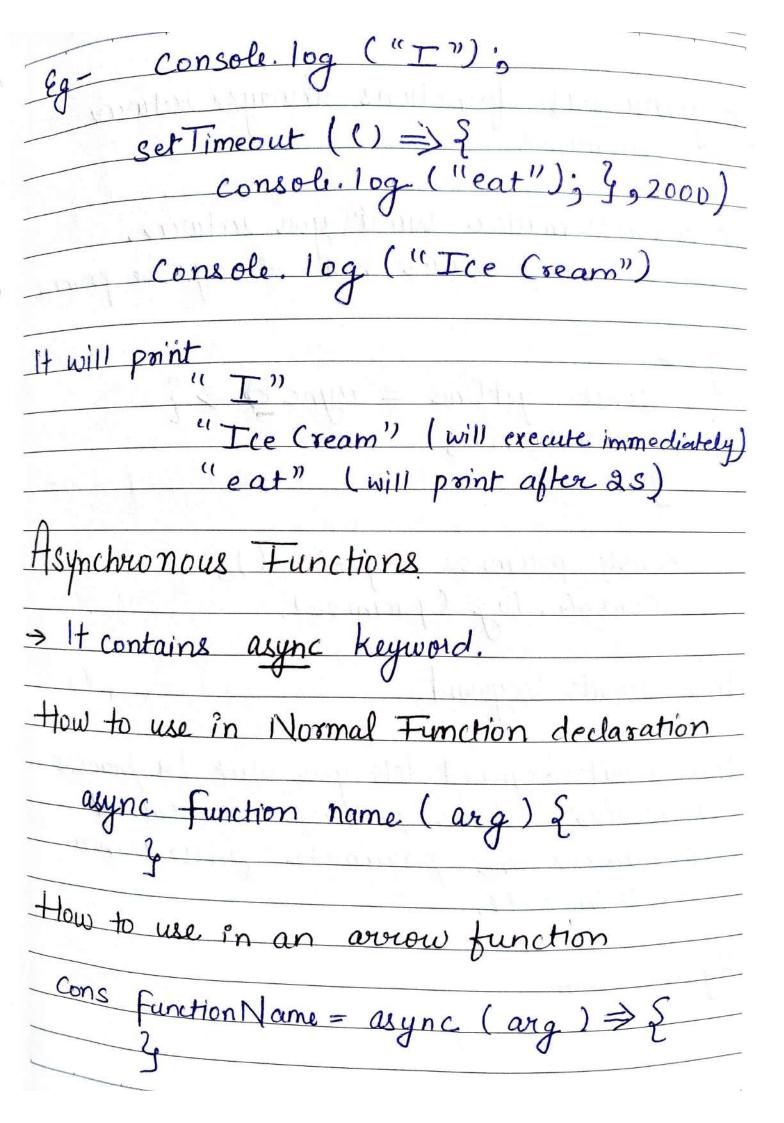
| C. A Daunchronous |
|--|
| Synchronous Vs Asynchronous |
| C - allowant of codo. |
| Synchronous: Every statement of come |
| Synchronous: Every statement of code get executed one by one |
| |
| So basically, a Statement has to wait for earlier statement to get executed |
| for earlier statement to get executed |
| |
| Eg - console, log ("I"); |
| and the second s |
| Console. log ("eat"); |
| |
| console. log ("ice-ouean"); |
| |
| It will point I first, |
| then eat, |
| |
| |
| Asynchronous: It allows program to be executed immediately without blocking the code. Unlike the Synchronous method It doesn't wait for earlier statement to get executed first. |
| executed immediately like to be |
| the code. Unlike the Sund blocking |
| method It doesn't wait he |
| statement to get executed in earlier |
| J may ca first |
| Each task execute completed by |
| Each task execute completed Independently |
| |



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|---|--|
| Asynchronous functions als promises | ways retwen |
| Asunchronous functions au | |
| Dynmises | |
| 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1.000 |
| It doesn't nother what yo | a returi. |
| The anterpool value will | always be froms |
| It doesn't matter what yo The retwened value will | • |
| | |
| Eg > Const get One = async return 1; | $\Rightarrow S$ |
| Const get the = asym | |
| return!; | 1 6 61 |
| <u> </u> | 1,000 |
| | |
| Console log (promise) | e(): |
| Console, log (promise) | |
| | |
| The await keyword | Vol. |
| THE SWING | |
| The arrest les I I | 21) 111 011 11-11 |
| The await keyword lets you to resolve. Once promise | wait for promise |
| to resolve. Once promise | is resolved |
| It retwens the parameter | |
| then call. | passed into |
| artisant right. | |
| Eq- Con | A THE STATE OF THE |
| S Remarkable Land | |
| | oldanisa i i v |
| | |

 $\frac{\mathcal{E}_{g}}{\text{const get One}} = \underset{\text{sustain 1}}{\text{async}} \Rightarrow \xi$ get One (). then (value => {

console log (value) 3); 1/1 Now use of await keyword const test = async = > {
 const one = await get One ();
 Console.log (one);
} test () many many amounts. We can only use await when we have async. Let's implement the fetch API code using asynct/await:

| Date:// |
|--|
| |
| const fetch Data = async() => { const goutes = await fetch ("http:///quotes") const response = await goutes. json(); console.log(response); |
| 3 Languard Mining James |
| |
| Fetch Data (); |
| the can also handle errors in async fawait |
| by using toy and Catch. |
| by using toy and Catch. Const Fetch Data = async () >> 3 +rus |
| 104 2 |
| const quotes = await Fetch ("http:// "). |
| Console log (response); |
| 2 Console. log (response) |
| |
| catch (error) 3 |
| 3 Console. 109 (croor). |
| i Albania de la companya della companya della companya de la companya de la companya della compa |
| 9; |
| Fetch Data (): |
| |
| |