## Async & Await (ES8)

```
* It is an extention to promises itself.
 * Async also returns a promise
  * So it's basically syntatic sugar, does the
    same thing as promises but code books much
    more readable.
  // with promises [following do the same thing]
   performTask (task1)
          · then (1) => PerformTask(taska)
          ·then(() => Perform Task(task3)
           .then (1) =) Perform Task (tasky)
  // async await
do some async task inside this function
   async function play Grame () $
         const tasko = await performTask (task1)
          await perform Task (task2);
          await perform Task (tasks);
           await performtask (tasku);
      }
    await keyword basically indicates were waiting
     for something to give us a response.
    Instead of chaining with then () we're
    awaiting for every task to perform before next
```

## Practical example

The feetch() methods that let's you make an API call, is actually a promise, so we can do the following

H H H H H H H H H H H H H H H H

feth('https://jsonoutput/users')

·then(nesponse => response.json())

·then(console.log Cresponse)

Because betch is a promise we're able to do . thenc) on it

\* Note: - response. <u>jsonc</u>), this <u>jsonc</u>) to convert to <u>json</u> format is also a promise hence again a thence again a.

> Let's convert this to async await

asyn tunction fetch Students() {

const response = await fetch ('nttps://....')

const data = vresponse.json()

await

console. log (data);

}

Error handling in async await.

async function feeten Students() {

try {

await fetan(Url)

ig

catch (error) {

console. log(error)

}

Fror handling with async await can be achieved using try catch block.

Put your feen call (await) inside try

it will be caught in catch black

and it any error occurs within try then