	We aud	start	@ 2:10			
Ļ	consol. 109					
		Les proces stdout write				
		-				

4	in event	quun	→ u	se recens	cell backs	
		•			7	•

Disadvantages of Callbacks

1) Callback hell

2) Inversion of Central > If there is some fait of code whose control we are farmy to semeone che, and we don't know how that pert well the executed

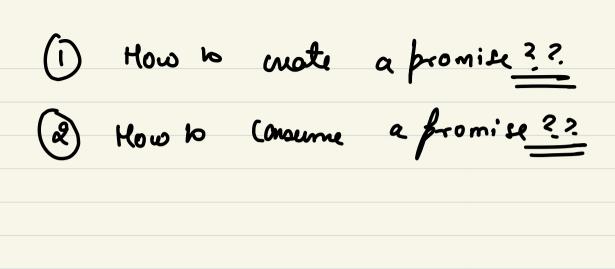
Phis problem is called inversion of control.

Promises

4 Promises are special II objects that are also Considered readability enhancers. They get immediately returned from a femchion setup to retur a promise. Les lieur act as placeholders for the data we hope to get back from some fecture task.

Jue als a attach the femiliar we want to defen until the feature task is done. And promise automatically handle enecetion of this fenctionality.

-> So promises do two things, one inside IS & one outside Js. 1) It signs up the process repaired to sum in the suntinu & genes a placeholder in Is, which has a value property.



```
function fetchCustom(url, (a)) { // we are mimicing the function
   console.log("Starting downlanding from", url);
    setTimeout(function process() {
        console.log("Download completed");
       let response = "Dummy data";
       fluissionse);
    }, 3000);
```

```
fetchenster (" ww — ")
```

```
function writeFile(data, fn) {
   // this function writes data in a new file
   console.log("Started writing data", data);
   setTimeout(function process() {
      console.log("Writing completed");
      let filename = "output.text";
      fn(filename);
   }, 4000);
```

```
function uploadFile(filename, newurl, fn) {
   console.log("Upload started");
   setTimeout(function process() {
      console.log("File", filename, "uploaded successfully on", newurl);
      let uploadResponse = "SUCCESS";
      fn(uploadResponse);
   }, 2000);
}
```

```
fetchCustom("www.google.com", function downloadCallback(response) {
    console.log("Downloaded response is", response);
    writeFile(response, function writeCallback(filenameResponse) {
       console.log("new file written is", filenameResponse);
       uploadFile(filenameResponse, "www.drive.google.com", function uploadCallback(uploadResponse) {
            console.log("Successfully uploaded", uploadResponse);
   })
});
```