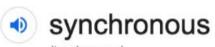
Chapter Seventeen

Understanding Asynchronous Programming in Javascript



What is Synchronous Programming?

Synchronous basically means that you can only execute one thing at a time.



/'sıŋkrənəs/

adjective

- existing or occurring at the same time.
 "glaciations were approximately synchronous in both hemispheres"
- ASTRONOMY

making or denoting an orbit around the earth or another celestial body in which one revolution is completed in the period taken for the body to rotate about its axis.



```
var a = 10
var b = 20
var result = a + b
console.log(result)
var response = storeResult(result)
                                        Waiting
if(response.success) {
 console.log('Successfully Stored')
} else {
 console.log('Data Store Failed')
```





What is Asynchronous Programming?

Asynchronous meansthat you can execute multiple things at a time and you don't have to finish executing the current thing in order to move on to next one



/ei'siŋkrənəs/

adjective

- 1. not existing or occurring at the same time.
- COMPUTING TELECOMMUNICATIONS
 controlling the timing of operations by the use of pulses sent when the previous operation is
 completed rather than at regular intervals.



```
var a = 10
var b = 20
var result = a + b
console.log(result)
var response = storeResult(result)
                                      Waiting Silently
if(response.success) {
 console.log('Successfully Stored')
} else {
 console.log('Data Store Failed')
```

