V12 : Promises

10 February 2022
18:57

n-files asyncSerial Promise :

```
let fs = require("fs");
let files = ["../f1.txt" , "../f2.txt" , "../f3.txt"];


// Chaining with the help of loop !!!!

let f1KaPendingPromise = fs.promises.readFile(files[0]);  // hum pahle ek file ko read krenge

for(let i=1 ; i<files.length ; i++){  // fir loop laga denge jo start hoga 2nd file se

    f1KaPendingPromise = f1KaPendingPromise.then( function(data){   // ab humne f1KaPendingPromise pe .then lga ke usi me usko assi
        console.log(data+"");                                        // taki f1KaPendingPromise ka address update hota rhe aur usi p
        let nextFilePromise = fs.promises.readFile(files[i]);        // humne previous wali file ke scb ke andar next ka promise bna
        return nextFilePromise;                                      // aur usi ko return kar diya jise f1KaPendingPromise mai hi ne
    })

}

f1KaPendingPromise.then(function(data){  // ye wala .then sbse last me aane wali file ka data consume karne ke liye bnaya hai
    console.log(data+"");
})
```

To humne kiya ye hai ki sbse pahle ek file ka data read krne ke liye promisified readFile chla diya jo ek pending promise return
krega
Ab hum loop lgate hai 2nd file se kyunki 1st file ka data read krne ke liye humne pahle se hi code likh diya hai
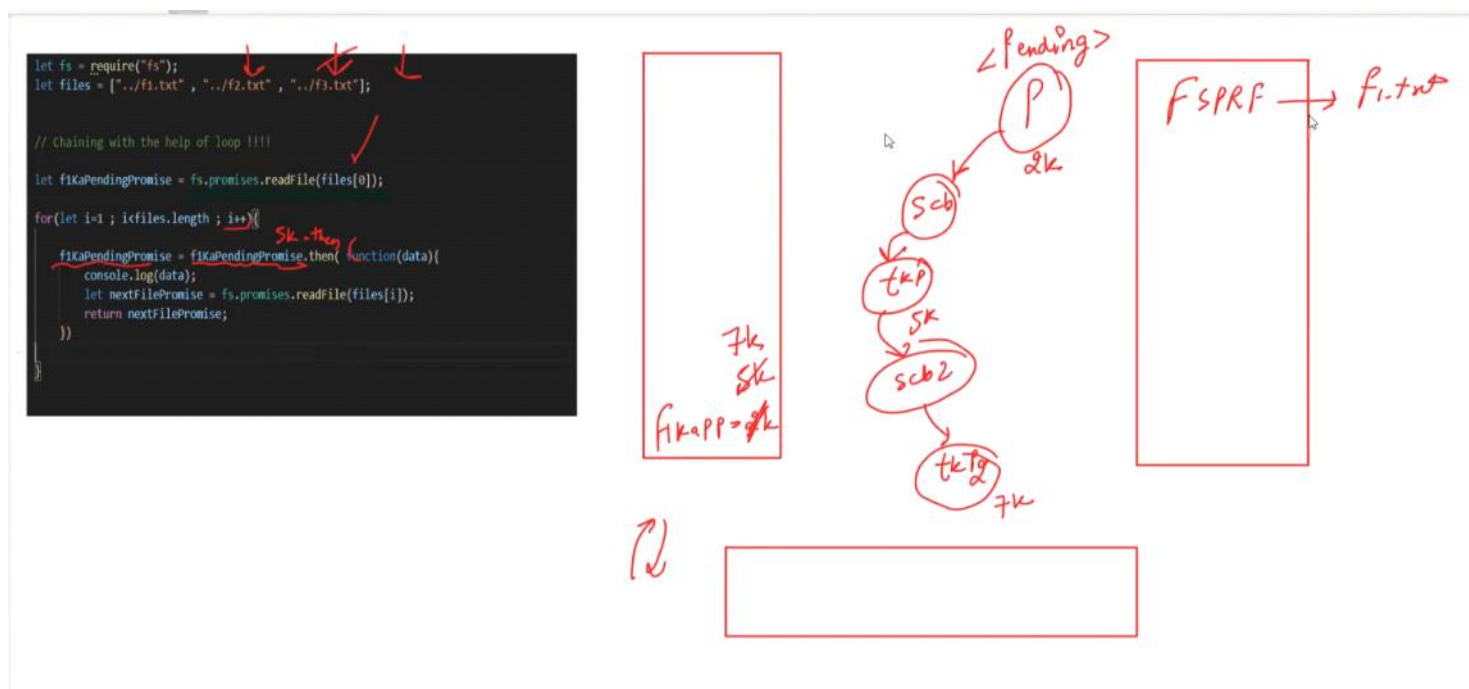To jo hume 1st file ke liye pending promise mila tha hum usi pe then lga dete hai
Jisse uspe scb attach ho jaata hai
Aur fir jo ye then ki call thenKaPromise return kregi usko humne firse f1KaPendingPromise me assign kr liya
jisse f1KaPendingPromise ka address update hoga aur uspe then ki call se ek aur scb attach ho jaayega
Aur aise hi chaining chlti rhegi

Ab humne scb ke andar next file ke liye read ki call lgayi hai Jisse iska faayda ye hoga ki
Jaise hi f1kaPendingPromise ki state change hogi to uske scb ko call lgegi
Scb nextFilePromise create krega aur use return kr dega jo f1KaPendingPromise me catch hoga

aur fir uspe then ki call lgegi

to isse jo next f1KaPendingPromise bnega wo depend ho jaayega previous wale f1KaPendingPromise pe

To iss type se chaining me bypass create ho jaayega aur next wala scb tbhi chlega jab previous wale pending promise ki state change hogi

```
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// Chaining with the help of loop !!!!

let f1KaPendingPromise = fs.promises.readFile(files[0]);

for(let i=1 ; i<files.length ; i++){

    f1KaPendingPromise = f1KaPendingPromise.then( function(data){
        console.log(data);
        let nextFilePromise = fs.promises.readFile(files[i]);
        return nextFilePromise;
    })

}
```
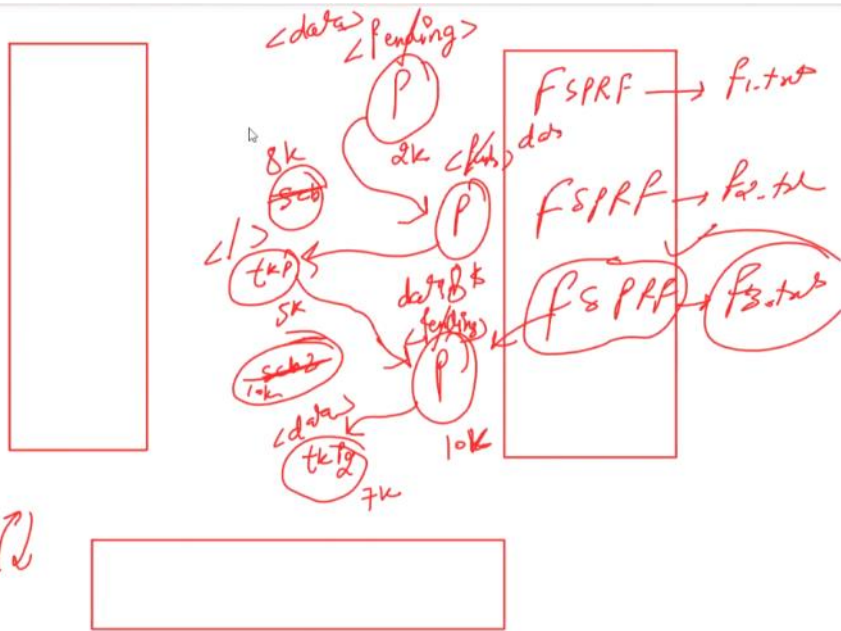
Lekin jo last wali file ka pending promise hoga uspe then ki call nhi lgi hogi to uske liye hum alag se then ki call loop ke bahar lgate hai.