Why promise is needed

```
//asynchronous : occuring at the same time
    const f1 = () => {
        setTimeout(() => {
            return 5;
            }, 5000);
        };

    const f2 = (x) => {
            console.log(x + 6);
        };

    let n1 = f1();
        f2(n1);
```

Use callback to solve the issue

```
const f1 = (fnc) => {
    setTimeout(() => {
       fnc(5);
    }, 5000);
    };

const f2 = (x) => {
    console.log(x + 6);
    };

f1(f2);
```

Use promise and .then

```
const f1 = () => {
    return new Promise((resolve, reject) => {
        setTimeout(() => {
            resolve(5); //use resolve instead of return
        }, 5000);
    });
    };

const f2 = (x) => {
        console.log(x + 6)
    };

f1().then((a) => f2(a));
```

Fetch with async await

```
<body>

    <script>
// const url = "https://jsonplaceholder.typicode.com/users/";
    const url = "students.json"
    const showUsers = async () => {
        try {
            const response = await fetch(url);
            const json = await response.json();
            json.map((element) => {
                let li = document.createElement("li");
                li.innerHTML = element.name;
                userDiv.append(li);
            });
        } catch (error) {
            console.log(error);
        }
        };
        showUsers();
        </script>
        </body>
```