Callbacks and Callback Hell

1. Callback Hell
2. Inversion of Control.

→ Issues with Callbacks.

1. What is Callback Hell ?

```
const cart = ["shoes", "pants", "kurta"];

api.createOrder(cart, function () {

    api.proceedToPayment(function () {

        api.showOrderSummary(

            function () {
                api.updateWallet()
            }

        )

    })

})
```

→ unreadable and unmaintainable.

→ updateWallet() API is Dependent on showOrderSumary() API.

→ showOrderSummary() API is Dependent on proceedtoPayment() API.

→ Proceedto Payment() API is Dependent on CreateOrder() API.

→ Also Known as Callback Hell / Pyramid of Doom.

→ Getting Longer Horizontally instead of Vertically which is Not Good and Recommended.

Understand the Code well !!

2. What is Inversion of Control ?

→ You Loose the Control over your Code while using Callbacks.

```
const cart = ["shoes", "pants", "kurta"];

api.createOrder(cart, function () {

    api.proceedToPayment()

})
```

→ ProceedtoPayment() API is totally Dependent on CreateOrder() API.

Understand the Code well !!