```
Interfaces
```

```
- to create your own user defined datatype
     interface-ts
exportinterface User ?
         name: string
        age?: number -> optional
         id: number
       email: number
      3
    let wer: User = { name: 'John", id: 1, email: " "}
     interface employee extends user ?
     Salary: number
    let emp: Employee = {name: 'John', id:1, email:" ", salary: 5000}
exportinterface login
     login (): User;
    dass.ts
  * import { login, user 3 from "./intertace"
    import * as Loginver from "./intertace"
     dous Emp implements login
LoginUser. Login
      login(): User {
        tetum {name: "Harry", id: 2, email:" "}
     3.
                 or_
      Login(): Loginuser. User {
          return & name: "Marry", id: 2, enail: " '}
```

```
Object destructuring and Array destructuring
 Object destructioning - makes it possible to unpack values from
  arrays into distinct variables.
  let & name: Fnorme, email: Login 3: User = { name: "Harry", id:1, email: "}
  //frame -> Hamy
  //login → "
 Array Destructuring
first create an array
 let wers: User[]= L
    { hame: "A", id:1, email: "100 be.com"}
   { name: "B", id:2, email: " "3,
      -\mu^{c}
  let [wer1, user2]: User =
// Useri
lluser2 -3 B
let [user, werz, ... restusers]: User = [
  1 wer - A
   User2 - B
  restusers - C, D...and so on
 You don't have to use index again and again to access elements
```

When you compile interfaces, all interfaces are removed. They want be a part of production bundle. So, when to we interface us dasses?

dass

- when you have to retain the type of your prod build - preferred during backend

interface

If you can work without creating an object it u best for you.

programming

Interface does not really exist in javascript/-typescript

* Decorator - used to modify behavior of clous, method or property at runtime
-used internally by Angular

@ Component (§3) - Decorator.
class Emp {
Usade

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* Typescript will not stop your code from compiling. It will give enous but code will still compile. So you cannot rely on the error to stop compilation.