React – A javascript library for building User interfaces which run on **Browser.**

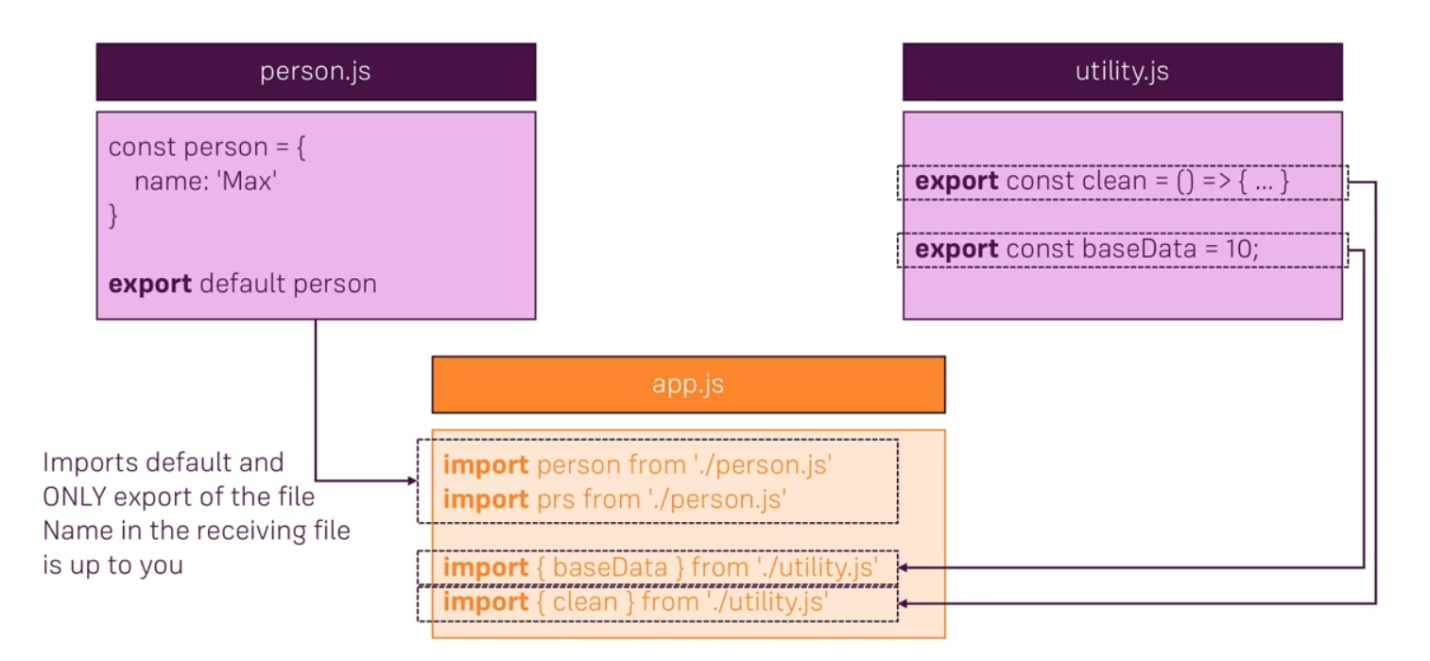
**Uses Components , so code updation is easy, code reusability is enhanced and total manageability also shoots up.**

**PreRequisites:**

1. **JavaScript**
2. **Let** (for variables) **and const**(for constant variables)
3. **Arrow functions:**

Const functionName=() =>{ … }

1. **Import and Export:**



Default export – Use any name of your choice while importing.

Named export – Use the exact name for importing back or can use an alias like:

Import {clean as cln} from ‘./utility.js’.

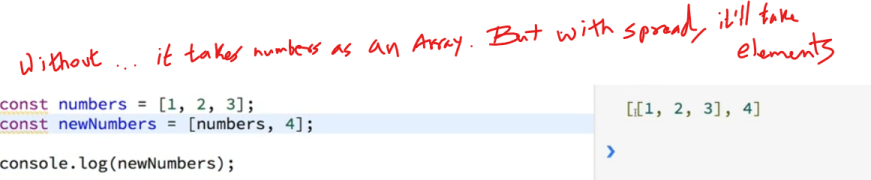
1. **Classes** : contains variables and functions, can have constructor and supports inheritance.
2. **Spread and Rest operator :**

**Spread:**  use of ‘…’ in props and objects for splitting array props or spreading/copying stuff for properties or objects . eg

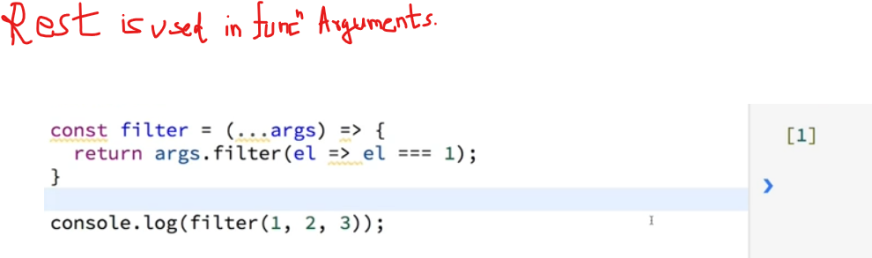
**const NewArray = […oldArray,5,6,8]**

**and const NewObj= {…oldObject, name=”Ram”}**

now if there isn’t a property called “name” in oldObject then it will be added. Otherwise it will be updated.



**Rest : use of “…” in functions**



1. **Destructuring** : copying specific contents of an array or object.



1. **References**:

Primitive data types actually copy the contents but when we try to use = for array or objects, they doesn’t copy the contents instead they just point it to the same memory location.

For true copying, we have to use spread operator .

1. **Inbuilt functions like Array functions** ( map, filter

