

Assignment 4

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① what is Pure fn:-

- * fn that are deterministic in nature.
- * When fn is called every time we get same o/p.

```
fn . function areaRectangle(l, b) {  
    return l * b;  
}
```

```
console.log (areaRectangle (10, 20));
```

(*) fn not Pure fn.

```
function test (l, b) {  
    const temp = Math.floor (Math.random());  
    return l * b * temp;  
}  
c.log (test (10, 20));
```

Here o/p depends on temp variable
∴ fn returns diff values for
same I/p.

* Here o/p cannot be Predictable.

② Diff b/w `c.log (<HeaderComponent />)` &
`c.log (HeaderComponent())`;

Pending:-

③ what is React Fragment.

- React Fragment allows us to add multiple components to DOM.
- Any extra nodes are not added.

Syntactic sugar for React Fragment is
empty tag `<>`
`</>`

4) Use of default in "export default
and Component".

* when we want to export only
one object from module, we can
say mention as default.

* This is ES6 module concept.

Ex:- `const number = 100;`

`export default number;`

While importing this in any other file
we can also change name.

1) `import num from "filepath"` (both
1) `import number from "filepath";` } correct

* But if we have more than one object in
js file.

```
function numberOne() {  
  return 1;  
}
```

```
function numberTwo() {  
  return 2;  
}
```

`export { numberOne, numberTwo }`

When we import this we CANNOT change the
name.

`import { n1, n2 } from "path";` ✗

`import { numberOne, numberTwo } from "path";` ✓

5) what is config driven UI?

- * with this approach, data handling becomes easier & no load on frontend.
- * In this approach independent components are built first & then json is defined to compose higher level UI.
- * Most of the time data will be from backend & this will be shown in UI.
- * Advantage is it reduces frequent release of apps; since changes are deployed from backend.

6) Same ID provided in the array of data objects.

- * ~~Error~~ Warning is shown to the Console.
- * ideally React perform action Based on id on these array objects & when they encounter duplicates, action cannot be performed.
- * unique identity is required for every array element.

7) Index is not a good way to pass as key. why?

- * As per React, a unique key for each child element in the list is required.
- * But when we pass index as key & there may be elements that