We all use <div> everytime when we work in html to make containers or wrap elements inside one element

```
1  return (
2      <div>
3          <Component1 />
4          <Component2 />
5          <Component3 />
6      </div>
7  )
```

Using <div> in React

In React JSX ,

To return multiple components or elements we have to wrap and group all the elements inside a wrapper like div

But in most of the cases that div is not required at all and it takes an extra space in the DOM but still we have to use it because thats how React works

So React introduces a new feature in React 16.2 which are React Fragments

Now React Fragments works exactly like Div

you can wrap or group multiple elements with Fragments

```
1 return (
2   <React.Fragment>
3       <Component1 />
4       <Component2 />
5       <Component3 />
6   <React.Fragment/>
7 )
```

Using React Fragments

Also you can use Fragments shorthand (<> </>) instead of React.Fragment ,

example :

```
1  return (
2    <>
3        <Component1 />
4        <Component2 />
5        <Component3 />
6    </>
7  )
```

Using <> </> instead of React.Fragment

But why to use Fragments ??

Lets see

1. Fast

Div element creates a node in DOM and occupy some space but React Fragments never creates any node in DOM and never occupy any space which makes the app tiny bit faster

2. Less cluttered DOM

Having lots of nested div makes the DOM large and hard to read or debug but with Fragments, DOM becomes a little easy to look at and debug