Rendering list:

Lists are very useful when it comes to developing the UI of any website. Lists are mainly used for displaying menus in a website, for example, the navbar menu. In regular JavaScript, we can use [arrays](https://www.geeksforgeeks.org/arrays-in-javascript/) for creating lists. We can create lists in React in a similar manner as we do in regular JavaScript.

<script type="text/javascript">

var numbers = [1,2,3,4,5];

const updatedNums = numbers.map((number)=>{

return (number + 2);

});

console.log(updatedNums);

</script>

Let us now create a list of elements in React. We will render the list *numbers* in the above code as an unordered list element in the browser rather than simply logging in to the console. To do this, we will traverse the list using the JavaScript map() function and updates elements to be enclosed between <li> </li> elements. Finally we will wrap this new list within <ul> </ul> elements and render it to the DOM.

import React from 'react';

import ReactDOM from 'react-dom';

const numbers = [1,2,3,4,5];

const updatedNums = numbers.map((number)=>{

return <li>{number}</li>;

});

ReactDOM.render(

<ul>

{updatedNums}

</ul>,

document.getElementById('root')

);

**Rendering lists inside Components:**

import React from 'react';

import ReactDOM from 'react-dom';

// Component that will return an

// unordered list

function Navmenu(props)

{

const list = props.menuitems;

const updatedList = list.map((listItems)=>{

return <li>{listItems}</li>;

});

return(

<ul>{updatedList}</ul>

);

}

const menuItems = [1,2,3,4,5];

ReactDOM.render(

<Navmenu menuitems = {menuItems} />,

document.getElementById('root')

);

import React from 'react';

import ReactDOM from 'react-dom';

// Component that will return an

// unordered list

function Navmenu(props)

{

const list = props.menuitems;

const updatedList = list.map((listItems)=>{

return(

<li key={listItems.toString()}>

{listItems}

</li>

);

});

return(

<ul>{updatedList}</ul>

);

}

const menuItems = [1,2,3,4,5];

ReactDOM.render(

<Navmenu menuitems = {menuItems} />,

document.getElementById('root')

);