Activity 1-1 – Getting started with React

React (sometimes called React.js or ReactJS) is a JavaScript library for building a fast and interactive user interface. DOM (Document Object Model) is an interface that allows JavaScript or other scripts to read and manipulate the content of a document (in this case, an HTML document).

Whenever an HTML document is loaded in the browser as a web page, a corresponding Document Object Model is created for that page. This is simply an object-based representation of the HTML. JavaScript can connect and dynamically manipulate the DOM because it can read and understand its object-based format.

To run the code for activity. Use Online react.js code editor below or Trinket.

https://pythonbaba.com/online-react-js-code-editor-execute-compiler-ide/#:~:text=%20Steps%20to%20use%20the%20React.js%20Online%20editor,the%20right-hand%20side%20in%20the%20Result...%20More%20

- Use run button after placing the relevant files

- There are three files in the editor index.html, style.css, and react.js – Place the html code inside the index.html file and CSS code in style.css and react javascript function in react.js

1. Try the following code:

```
<!DOCTYPE html>
<html>
 <head>
 <meta charset="UTF-8" />
 <title>Hello React!</title>

 <!-- Include the React and ReactDOM libraries -->

 <script src="https://fb.me/react-15.2.1.js"></script>
 <script src="https://fb.me/react-dom-15.2.1.js"></script>
 </head>

<body>
 <div id="example"></div>

 <script type="text/javascript">
 // create a React element rElement
 var rElement = React.createElement('h1', null, 'Hello, world!');
 // dElement is a DOM container
 var dElement = document.getElementById('example');
 // render the React element in the DOM container
 ReactDOM.render(rElement, dElement);
```
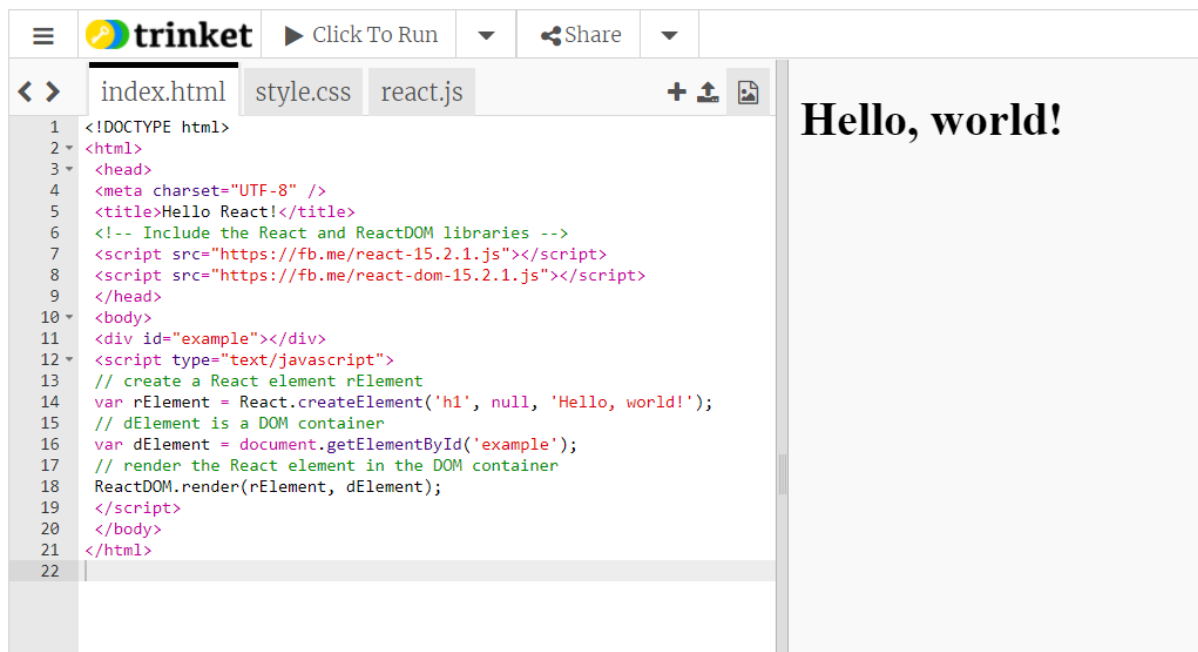
```
    </script>
   </body>
</html>
```

Output:

Start Using React online code Editor


```html
<!DOCTYPE html>
<html>
  <head>
    <meta charset="utf-8">
    <link rel="stylesheet" href="style.css" media="screen" charset="utf-8">
    <script crossorigin src="https://unpkg.com/react@16/umd/react.development.js"></script>
    <script crossorigin src="https://unpkg.com/react-dom@16/umd/react-dom.development.js"></script>
  </head>
  <body>
    <script type="text/javascript" src="react.js"></script>

  </body>
</html>
```