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| TOPIC/TITLE  What is reat ? JSX and BAbel | |
| Keywords/Questions  Codesandbox.io  JSX  React convention start  Require react and react dom  Render  Babel  Using more advanced js  Import  render | Notes : |
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| https://codesandbox.io/s/dreamy-cdn-pqd94?file=/src/App.js |
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| https://codesandbox.io/s/introduction-to-jsx-h8ub1?fontsize=14&module=%2Fpublic%2Findex.html%20babeljs.io |
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| IN sandbox to save your work use fork it |
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| By convention we create an id in html wehich will englobe all your react |
| <div id="root"></div> |
| At the bottom a script that link to our js app |
| <script src="../src/index.js" type="text/javascript"></script> |
| In code sand box we don’t have to install packages just have to search for the right dependencies. |
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| var React = require("react");  var ReactDom = require("react-dom"); |
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| 3 in put  What to show, |
| Where to show,  Option : when the render has to be complete |
| ReactDOM.render(whattoshow,wheretoshow) |
| ReactDOM.render(<h1>Hello world!!</h1>, document.getElementById("root")); |
| JSX allow us to for i.e write plain html inside JS |
| In fat our html is pcked up by a compiler and its get converted to actual JS |
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| Babel is the name of the compiler |
| https://babeljs.io/repl#?browsers=defaults%2C%20not%20ie%2011%2C%20not%20ie\_mob%2011&build=&builtIns=false&spec=false&loose=false&code\_lz=Q&debug=false&forceAllTransforms=false&shippedProposals=false&circleciRepo=&evaluate=false&fileSize=false&timeTravel=false&sourceType=module&lineWrap=true&presets=env%2Creact%2Cstage-2&prettier=false&targets=&version=7.12.12&externalPlugins= |
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| In fcat it will transform react codeto old js |
| From this : ReactDOM.render(<h1>Hello world!!</h1>, document.getElementById("root"));  To this |
| ReactDOM.render( /\*#\_\_PURE\_\_\*/React.createElement("h1", null, "Hello world!!"), document.getElementById("root")); |
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| Thanks to babel even if we use features from the last js version (like map or => or import) it it will be translated thanks to babel in order the oldest version of browser wil still be able to read our code |
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| Instead of require we can use import which we will see in a next lesson is more flexile. We can write it like that  Import React from “react” |
| Import reactDOM from “react-dom” |
| Render method can only take a single HTML element but we can embed the element between a div.  ReactDOM.render(<div><h1>Hello world!!</h1><p>This a parapgraph</p></div>, document.getElementById("root")); |
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