**Lesson № 8**

* What is react js
* Virtual DOM
* Create React App ( <https://create-react-app.dev/> )
* Components
* First component ( <https://react.dev/learn/your-first-component> )
* What is JSX
* Hooks
  + useState ( <https://react.dev/reference/react/useState> )
  + useEffect ( <https://react.dev/reference/react/useEffect> )
  + useContext ( <https://react.dev/reference/react/useContext> )
  + useMemo ( <https://react.dev/reference/react/useMemo> )
  + useCallback ( <https://react.dev/reference/react/useCallback#usecallback> )
  + custom hooks ( <https://react.dev/learn/reusing-logic-with-custom-hooks#custom-hooks-sharing-logic-between-components> )
* Controlled vs uncontrolled element ( <https://react.dev/reference/react-dom/components/textarea#my-text-area-doesnt-update-when-i-type-into-it> )
* Wrapper ( <https://react.dev/reference/react-dom/findDOMNode#adding-a-wrapper-div-element> )
* HOC
* How to avoid props drilling ( using context, state management )

<https://www.youtube.com/watch?v=QFaFIcGhPoM&list=PLC3y8-rFHvwgg3vaYJgHGnModB54rxOk3&index=1>

**Extension for react**

<https://chrome.google.com/webstore/detail/react-developer-tools/fmkadmapgofadopljbjfkapdkoienihi?hl=en>

**Homework create tic-tac-toe game using tutorial from official website**

<https://react.dev/learn/tutorial-tic-tac-toe>

**Sublime text editor**

<https://www.sublimetext.com/>

**WebStorm IDE ( integrated development environment ) also my choice**

<https://www.jetbrains.com/webstorm/>

**Useful links**

<https://www.udemy.com/>

<https://frontendmasters.com/>