

React Javascript intro class

As discussed today here is a quick summary on how to get started and get your react project up and running, as well as the javascript concepts we have covered as well.

Environment setup:

1. Node js from <https://nodejs.org/en/>
2. Command line (either default command line interface or CMDER (mini) from <https://cmdr.net/>
3. Locate folder location where you will be storing projects
4. Run the create command in your command line **npx create-react-app app-name**
5. Allow the build to run until complete
6. Next enter the newly created folder by typing **cd app-name**
7. Next run the command **npm start** in your command line
8. Browser tab with your local dev is now going to open in your **default browser**.
9. Develop your work

Command Line list:

1. **cd** : to enter a folder
2. **cd ../** : to go back to prev folder

Javascript Principals:

Type	Description	Example
let, var, const	The type of variables this determines whether or not that variable is changeable or not	const name = "Ted" const values never change once set it is set let age = 25 let and var types of variables are changeable and can be changed by any function where it is used
string	Any text, numbers, symbols enclosed in quotation marks	let name = "TED" (js) let name: string = "TED" (ts)
number	Any number type includes floats and integers	let count = 1 let half = 0.5 let tsCount: number = 2.5 (ts)
boolean	A true or false value	let isNight = false

		let isNight: boolean = false
functions	<p>Functions are reusable blocks of code that perform a specific task, taking some form of input and returning an output.</p> <p>To define a function, you must use the function keyword, followed by a name, followed by parentheses ().</p> <p>The parentheses contains the parameters that the function require</p> <p>Then you have to write the function logic between curly brackets { }</p> <p>parentheses</p>	<pre>function add(val1, val2){ let total = val1+val2 console.log(total) }</pre>

For more detail on this and more please visit
<https://www.javascript.com/learn/strings>

also refer to project created today
 (21/02/2022)

Code Examples from today:

```
let name = "any tex with qua"; // string
let age = 10; //number
let arr = ["string array"]; //array
let bool = true; // boolean
let obj = { key: "value" }; // object

function Greet(name, age) {
  console.log(`Good day ${name}, you are ${age} years old`);
  console.log("Good day" + name + ", you are" + age);
  return <p>`Good day ${name}, you are ${age} years old`</p>;
}

// Create function named addToghter takes 2 params of type number add the
two params together and console logs it the total to the screen

function addTogether(firstval, secondval) {
  console.log(`first value is ${firstval}, second is ${secondval} `);
  let total = firstval + secondval;
  console.log(total);
  return <p>`${firstval} + ${secondval} = ${total}`</p>;
}

function App() {
  return (
    <div className='App'>
      <h1>Hello world</h1>
      {Greet(name, age)}
      {/* Display the value of addToghter under a heading */}
      {addTogether(100, 2.5)}
    </div>
  );
}
```

}