

Task 1:

- 1) 3 tools we learned are props, state (useState, setState), and components.
- 2) Babel converts jsx to js, this is essential to the functionality of code.
- 3) Filter makes a new array by filtering out values that don't belong, reduce, reduces an array and returns a single value
- 4) Normal export allows you to make more than one export per line, whereas default export allows one export per page
- 5) Functional components are individually javascript functions, whereas class components are multiple functions that each have different uses.
- 6) Modules – an set of code
 - Spread and rest syntaxes – spread takes an array and expands it into elements, whereas rest converts an array into a single element
 - Classes – Represent objects
 - Template Literals – A way to manipulate strings
 - Default parameters – values a function can use in the event a parameter isn't specified
 - Destructuring - allows us to call on individual elements in an array and assign them to different objects
 - Block scoped constructs – conditions in loops and if/else statements
 - Enhanced object literals – property names in object definitions
 - Promises – container meant for a future value
 - Arrow functions – quicker syntax for functions
- 7) Client/Server – Javascript that runs on the client's end.
 - Layers – A way to stack html elements
 - Inheritance – a way for a class to inherit elements from a parent
- 8) Render
 - Constructor
 - setState
 - getDerivedStateFromProps
 - getSnapshotBeforeUpdate
 - componentWillUnmount

Task 3:

```
import React, { Component, setState } from "react";
import './Calculator.css';
import Display from './Display';
```