Component Props & Expression

- ….User.js…..

-
  ```
  export default function User(props) {
    return (
      <div>Hello {props.name}</div>
    )
  }
  ```
- .... App.js

-
  ```
  <div>
  <User name="John"/>
      </div>
  ```

If Statement with props

- function Result(props) {
- const r = props.r;
- if (r) {
- return <Pass/>;
- }
- return <Fail/>;
- }

Ternary Operator

- ……………………………………….

```
function Result(props) {
  const r = props.r;
  return (
    <>
      { r ? <Pass/> : <Fail/> }
    </>
  );
}
```

Logical Operator

-
  ```
  const cart = ['rice', 'wheat', 'sugar’];
  ```

-
  ```
  {
  cart.length > 0 && //used instead of if
          <h2> You have {cart.length} items in your cart.</h2>
  }
  ```

Props & Expression (Numbers)

- ...Calc.js

-
  ```
  export default function Calc(props) {
    let x = props.a;
    let y = props.b;
    let z = x + y;
    return <div>Result is {z}</div>;
  ```
- }
- .... App.js

-
  ```
  <div>
      <Calc a={3} b={5}/>
     </div>
  ```

Props & Expression (Array)

- ...Add.js…………………………………………..

  ```
  export default function Add(props) {
    let result = props.arr.reduce((total, value) => {
      return total + value;
    });
  ```

- …..App.js

  ```
  <Add arr={[5,6,8]} />
  ```

Props & Expression (Object)

- ...Students.js

```
export default function Students(props) {
  return (
    <div>{props.score['John']}</div>
  )
}
……App.js
<Students score={{'John':40,'Cathy':50}}/>
```

Props & Expression (callback)

- ....Sqr.js

```
export default function Sqr(props) {
    let result = props.fn(props.a)
  return (
    <div>{result}</div>
  )
}
```

  ...... App.js

- <Sqr a={5} fn={sqrfunction}/>