React Props

Props are the information that you pass to a JSX tag.

```
<Product title="phone" price="30k" />
<Product title="laptop" price={40000}/>
```

export default ProductTab

```
import "./Product.css"
Complexity is 5 Everything is cool!
function Product({title, price=1}){
    return (
        <div className="Product">
        <h3>{title}</h3>
        <h5>Price: {price}</h5>
        </div>
    );
export default Product;
```

```
Learning > FRONTEND > Apna College > React > React Lea
       import { useState } from 'react'
       import reactLogo from './assets/react.svg'
       import viteLogo from '/vite.svg'
       import './App.css'
       import ProductTab from "./ProductTab.jsx"
       Complexity is 3 Everything is cool!
       function App() {
         return (
           <>
           <ProductTab />
 10
           </>
       export default App
```

Passing Arrays to Props

```
features={["fast", "reliable"]}
```

```
features={{ a: "fast", b: "reliable" }}
```

```
Learning > FRONTEND > Apna College > React > React Lecture-2 > Lecture-2 > src > <
       import Product from "./Product.jsx"
       function ProductTab() {
           let options=["Hi-Tech", "Durable", "Fast", "Redo"];
           let obj={
               a:"Hi-Tech",
               b: "Durable",
               c:"Fast",
               d:"Redo"
           };
           return (
               <>
               <Product title="Laptop" price="30000"/>
               <Product title="Mobile Phone" price={15000}/>
               <Product title="Pen" price={10/2}/>
               <Product title="Eraser"/>
               <Product title="Options" price={1} features={options} />
 17
               <Product title="Options" price={1} features2={obj} />
               </>
       }
       export default ProductTab
```

Mobile Phone

Price: 15000

Pen

Price: 5

Eraser

Price: 1

Options

Price: 1

Hi-TechDurableFastRedo

Options

Price: 1

Hi-Tech

Rendering Arrays

arroy X volues X elements

```
basic-react-app > src >  ProductTab.jsx >  ProductTab >  potions

import Product from "./Product.jsx";

function ProductTab() {

let options = ["hi-tech", "durable", "fast"];

return (

Product title="phone" price={30000} features={options} />
{/* <Product title="laptop" price={40000} />
<Product title="pen" price={1} /> */}

Product title="pen" price={1} /> */}

export default ProductTab;

export default ProductTab;
```

```
basic-react-app > src > 🕾 Product.jsx > 😭 Product
       import "./Product.css";
  1
  2
       function Product({ title, price, features }) {
  3
         return (
  4
  5
           <div className="Product">
  6
             <h3>{title}</h3>
             <h5>Price : {price}</h5>
             p>{features}
  8
           </div>
  9
 10
 11
 12
       export default Product;
 13
 14
```

Price : 30000

"hi-tech" "durable" "fast"

Rendering Arrays

volves X

aliz "hi-tech" a/liz

```
basic-react-app > src > ∰ Product.jsx > ∯ Product > [∅] list > ∯ features.map() callback
       import "./Product.css";
  2
       function Product({ title, price, features }) {
         const list = features.map((feature) => {feature});
         return (
           <div className="Product">
             <h3>{title}</h3>
            <h5>Price : {price}</h5>
            {list}
           </div>
 10
         );
 11
 12
 13
 14
       export default Product;
 15
```

Price: 30000



- hi-techdurablefast

```
basic-react-app > src > ♥ Product.jsx > ♥ Product
      import "./Product.css";
  1
  2
      function Product({ title, price, features }) {
        const list = features.map((feature) => {feature});
        return (
          <div className="Product">
  6
            <h3>{title}</h3>
            <h5>Price : {price}</h5>
            {[Yeatures.map((feature) => {feature})]
  9
          </div>
 10
 11
      }
 12
 13
 14
      export default Product;
 15
```

Price : 30000

- hi-techdurablefast

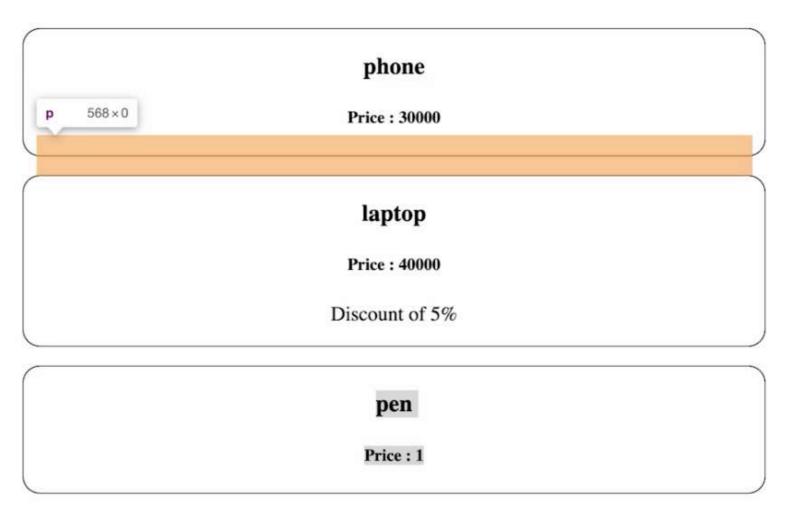
Conditionals

Adding elements on the basis of some condition

```
{price >= 10000 ? Discount : 5% : null}
```

```
{price >= 10000 && Discount : 5%}
```

```
basic-react-app > src > 🏶 Product.jsx > 😭 Product
       import "./Product.css";
  1
  2
  3
       function Product({ title, price, features }) {
        Iif (price > 30000) {
  4
           return (
  5
             <div className="Product">
  6
  7
               <h3>{title}</h3>
               <h5>Price : {price}</h5>
  8
               Discount of 5%
  9
             </div>
 10
 11
         } else {
 12
           return (
 13
             <div className="Product">
 14
               <h3>{title}</h3>
 15
               <h5>Price : {price}</h5>
 16
 17
             </div>
           );
 18
 19
 20
 21
 22
       export default Product;
 23
```



```
basic-react-app > src > ⇔ Product.jsx > ❤ Product
      import "./Product.css";
  1
  3
      nction Product({ title, price, features }) {
        let isDiscount = price > 30000 ? "Discount of 5%" : "";
        return (
  5
          <div className="Product">
  6
            <h3>{title}</h3>
            <h5>Price : {price}</h5>
  8
            {isDiscount}
  9
          </div>
 10
                   snehagupta7385@gmail.com
 11
 12
 13
      export default Product;
 14
 15
```

phone	
Price : 30000	
laptop	
Price: 40000	
5%	
pen	
Price: 1	

```
basic-react-app > src > ∰ Product.jsx > 份 Product
       import "./Product.css";
  1
  2
       function Product({ title, price, features }) {
  3
  4
  5
         return (
           <div className="Product">
  6
             <h3>{title}</h3>
             <h5>Price : {price}</h5>
  8
             {price > 30000 ? "Discount of 5%" : ""}
  9
           </div>
 10
 11
         );
 12
 13
 14
       export default Product;
 15
```

phone Price : 30000	
laptop ,	
Price : 40000	
Discount of 5%	
nen	
pen Price : 1	

```
basic-react-app > src > ∰ Product.jsx > ♥ Product
       import "./Product.css";
  1
  2
       function Product({ title, price, features }) {
         return (
  4
          <div className="Product">
  5
             <h3>{title}</h3>
             <h5>Price : {price}</h5>
             {price > 30000 ? "Discount of 5%" : null}
          </div>
 10
                                                      I
 13
      export default Product;
 14
```

Price: 30000

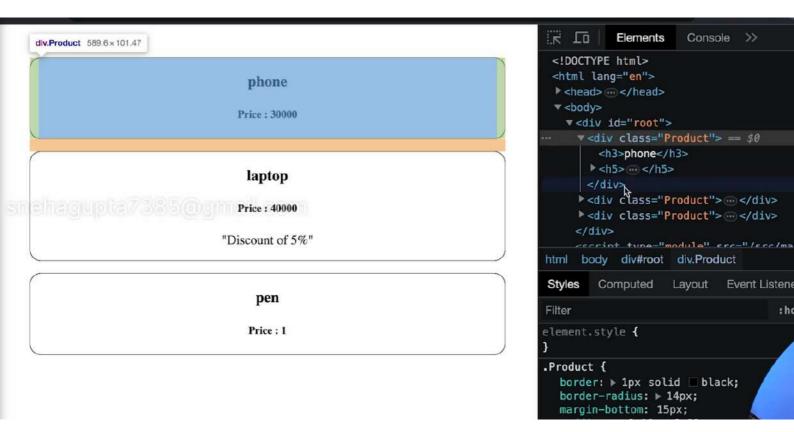
laptop

Price: 40000

"Discount of 5%"

pen

Price: 1



Price: 30000

Get Discount

laptop

Price: 40000

"Discount of 5%"

pen

Price: 1

Get Discount



```
basic-react-app > src >  Product.jsx >  Product
       import "./Product.css";
  1
  2
  3
       function Product({ title, price, features }) {
         let styles = { backgroundColor: "b ue" };
  4
  5
  6
         return (
           <div className="Product" style={styles}>
  7
             <h3>{title}</h3>
  8
             <h5>Price : {price}</h5>
  9
             {price > 30000 && Discount of 5%}
 10
           </div>
 11
 12
 13
 14
       export default Product;
 15
 16
```

```
basic-react-app > src > ∰ Product.jsx > ๗ Product > [ø] styles > ₺ backgroundColor
       import "./Product.css";
       function Product({ title, price, features }) {
         let styles = { backgroundColor: "yellow" };
  5
         return (
           <div className="Product" style={styles}>
             <h3>{title}</h3>
             <h5>Price : {price}</h5>
             {price > 30000 && Discount of 5%}
 10
           </div>
 11
 12
 13
 14
       export default Product;
 15
 16
```

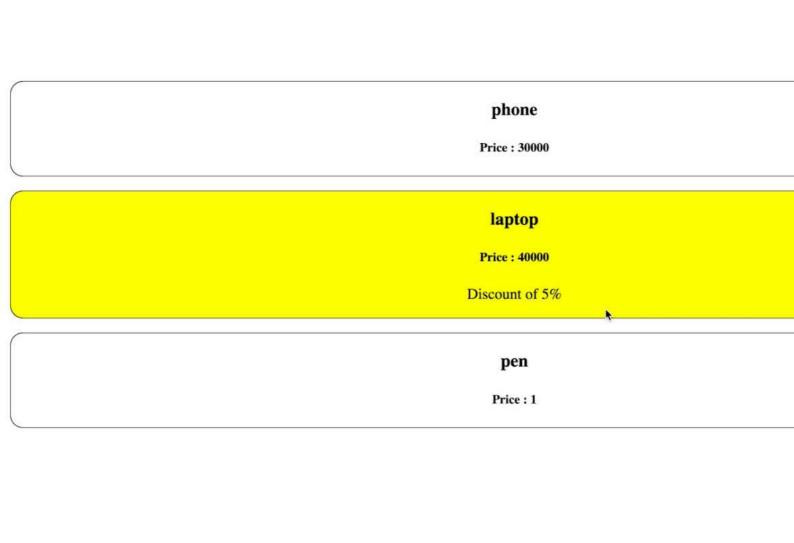
phone
Price: 30000

laptop
Price: 40000

Discount of 5%

pen
Price: 1

```
basic-react-app > src > ∰ Product.jsx > ๗ Product > [∅] styles > ⅙ backgroundColor
       import "./Product.css";
  1
  3
       function Product({ title, price, features }) {
         let styles = { backgroundColor: price > 30000 ? "yellow" };
         return (
           <div className="Product" style={styles}>
             <h3 >{title}</h3>
             <h5>Price : {price}</h5>
             {price > 30000 && Discount of 5%}
 10
           </div>
 11
 12
 13
 14
       export default Product;
 15
 16
```



```
basic-react-app > src > ∰ Product.jsx > ๗ Product
       import "./Product.css";
  2
       function Product({ title, price, features }) {
  3
         let isDiscount = price > 30000;
  4
         let styles = { backgroundColor: isDiscount ? "pink" : "" };
  6
         return (
          <div className="Product" style={styles}>
  8
            <h3>{title}</h3>
             <h5>Price : {price}</h5>
 10
            isDiscount && Discount of 5%
 11
          </div>
 12
                                  I
 13
         );
 14
       }
 15
 16
      export default Product;
 17
```

phone
Price: 30000

laptop
Price: 40000
Discount of 5%

pen
Price: 1

Activity

Show a Hello Message to the user in different colors.

Pass 2 values as props : userName & textColor

```
Learning > FRONTEND > Apna College > React > React Lecture-2 > Lecture-2 > src > @ App.js>
       import { useState } from 'react'
       import reactLogo from './assets/react.svg'
       import viteLogo from '/vite.svg'
       import './App.css'
       import ProductTab from "./ProductTab.jsx"
  6
       import Message from "./message.jsx"
       Complexity is 6 It's time to do something...
       function App() {
         return (
 11
           <Message name="Adarsh" textcolor="Red"/>
           <Message name="Anchal" textcolor="Violet"/>
           <Message name="Sneha" textcolor="Purple"/>
           <ProductTab />
           </>
         );
       7
       export default App
```

Hello! Adarsh

Hello! Anchal

Hello! Sneha

Laptop	
Price: 30000	
Mobile Phone	
Price: 40000	
Discount of 5%	
Pen	

Price: 5



Activity



- title
- description
- price -> old & new

Blockbuster Deals on Computer Accessories | Shop Now

Logitech MX Master

8000 DPI

5 Programmable Buttons

12,495 8,999

Apple Pencil (2nd Gen)

Intuitive Touch Surface

Designed for iPad Pro

11,900 9,199

Zebronics

Designed for iPad Pro

Intuitive Touch Surface

1,599 899

Petronics Toad

Wireless Mouse 2.4GHz

Optical Orientation

599 278

```
Learning > FRONTEND > Apna College > React > React Lecture-2 > Lecture-2 > src > 🛞 Card.jsx >
       import "./Card.css"
       import Price from "./Price.jsx"
       Complexity is 7 It's time to do something...
       function Card({title,idx}){
           let oldPrices=["12,495","11,900","1,599","599"];
           let newPrices=["8,999","9,199","899","278"];
           let Description=[
               ["8,000 DPI", "5 Programmable Buttons"],
               ["Intuitive touch surface", "Designed for iPad Pro"],
                ["Intuitive touch surface", "Designed for iPad Pro"],
                ["Wireless Mouse 2.4GHz", "Optical Orientation"]
           1;
           return (
               <div class="Card">
                   <h4>{title}</h4>
                   {Description[idx][0]}
                   {Description[idx][1]}
                    <Price oldPrice={oldPrices[idx]} newPrice={newPrices[idx]}/>
```

</div>

export default Card;

);

}

Card.css U X

```
Learning > FRONTEND > Apna College > React > React L
       .Card{
           border: 1px solid □black;
  3
           background-color: aqua;
           /* padding: 0 15px 0 15px; */
           margin-bottom: 15px;
           border-radius: 14px;
           margin-left: 15px;
           width: 250px;
           height: 160px;
```

```
Learning > FRONTEND > Apna College > React > React Lecture-2 > Lecture-2 > sro
       import Cards from "./Card.jsx"
       Complexity is 7 It's time to do something...
       function CardCollection(){
           let styles={
               display: "flex",
               flexWrap: "wrap",
               justifyContent: "center",
               alignItems:"center",
  8
           return (
               <div style={styles}>
               <Cards title="Logitech MX Master" idx={0}/>
               <Cards title="Apple Pencill (2nd Gen)" idx={1}/>
               <Cards title="Zebronics Zeb-transformwer" idx={2}/>
               <Cards title="Petronics Toad 23" idx={3}/>
               </div>
       }
```

export default CardCollection;

```
Learning > FRONTEND > Apna College > React > React Lecture-2 > Lecture-2 > src > @ App.jsx >
       import { useState } from 'react'
       import reactLogo from './assets/react.svg'
       import viteLogo from '/vite.svg'
       import './App.css'
       import CardCollection from "./CardCollection.jsx"
       Complexity is 4 Everything is cool!
       function App() {
         return (
           <>
           {/* Amazon Card Activity */}
 20
           <h1>Blockbuster Deals | Shop Now</h1>
           <CardCollection />
           </>
         );
       7
       export default App
```

```
{/* Amazon Card Activity */}
<h1>Blockbuster Deals | Shop Now</h1>
<CardCollection />
</>>
```

Blockbuster Deals | Shop Now

Logitech MX Master

8,000 DPI

5 Programmable Buttons

12,495 8,999

Apple Pencill (2nd Gen)

Intuitive touch surface

Designed for iPad Pro

11,900 **9,199**

Zebronics Zeb-transformwer

Intuitive touch surface

Designed for iPad Pro

1,599 899

Petronics Toad 23

Wireless Mouse 2.4GHz

Optical Orientation

599 278