**Day 1 Session 4:**

**Step 1: Creating Dynamic component with properties**

**Data.js**

```
const data= [
    {
        pname: 'Samsung Galaxy S22 5G',
        price: 72900,
        rating: 4.5,
        features: ['Android', '6.1 inch display', '8GB Ram'],
        additional: 'A smartphone with difference'
    },
    {
        pname: 'SOnePlus Nord 2T 5G',
        price: 33999,
        rating: 4.2,
        features: ['Android', '6.1 inch display', '8GB Ram'],
        additional: 'A smartphone with difference'
    },
    {
        pname: 'Realme C11 2021',
        price: 8900,
        rating: 3.2,
        features: ['Android', '6.1 inch display', '8GB Ram'],
        additional: 'A smartphone with difference'
    }
]
export default data;
```

**ProductCard.js**

```
import React from 'react';
import './ProductCart.css'
export default function ProductCard() {
return <h2>Product</h2>
}
```

**App.js**

```
import './App.css';
import ProductCard from './ProductCard'
import data from './data'

function App() {
```

```
  return (
    <div className="wrapper">
    <h1>Products</h1>
    {data.map(product => (
    <ProductCard
    key={product.pname}


    />
    ))}
    </div>
  );
}

export default App;
```

**App.css**

```css
.wrapper {
  display: flex;
  flex-wrap: wrap;
  justify-content: space-between;
  padding: 20px;
}
.wrapper h1 {
  text-align: center;
  width: 100%;
}
```

**Step 2: Adding props**

**ProductCard.js**

```
import React from 'react';
import './ProductCart.css'
export default function ProductCard(props) {
    const { name } = props;
    return (

      <h2>{name}</h2>
      );
}
```

**App.js**

```jsx
import './App.css';
import ProductCard from './ProductCard'
import data from './data'

function App() {
  return (
    <div className="wrapper">
    <h1>Products</h1>
    {data.map(product => (
    <ProductCard
    key={product.pname}
    name={product.pname}
    price={product.price}
    rating={product.rating}
    />
    ))}
    </div>
  );
}

export default App;
```

**ProductCard.js – after multiple props**

```jsx
import React from 'react';
import './ProductCart.css'
export default function ProductCard({ pname,price,rating }) {

    return (
     <div>
     <h2>{pname}</h2>
     <h3>{price}</h3>
     <h4>{rating}</h4>
     </div>
     );
}
```

**Adding alert and button**

```jsx
import './App.css';
import ProductCard from './ProductCard'
import data from './data'
```

```jsx
function App() {
  return (
    <div className="wrapper">
    <h1>Products</h1>
    {data.map(product => (
    <ProductCard
    key={product.pname}
    pname={product.pname}
    price={product.price}
    rating={product.rating}
    features={product.features}
    additional={product.additional}
    />
    ))}
    </div>
  );
}

export default App;
```

```jsx
import React from 'react';
import './ProductCart.css'
export default function ProductCard({
additional,pname,price,rating,features,showAdditional}) {

    return (
     <div>
     <h2>{pname}</h2>
     <h3>{price}</h3>
     <h4>{rating}</h4>
     <div>{features.join(',')}</div>
     <button onClick={event=>alert(additional)}>More Info</button>
     </div>
    );
}
```

```css
.product-wrapper {
    border: solid black 1px;
    margin: 10px;
    padding: 10px;
    width: 200px;
}

.product-wrapper button {
    font-size: 1em;
```

```css
    border: solid black 1px;
    padding: 10;
    background: none;
    cursor: pointer;
    margin: 10px 0;
}
```