6. Passing props

```js
import './ExpenseItem.css'

function ExpenseItem() {
    const expenseDate=new Date(2023, 7, 30);
    const expenseItem='House Rent';
    const expenseAmount=250.00;
    return (
        <div className='expense-item'>
            <div>{expenseDate.toDateString()}</div>
            <div className='expense-item__description'>
                <h2>{expenseItem}</h2>
                <div className='expense-item__price'>${expenseAmount}</div>
            </div>
        </div>
    );
}

export default ExpenseItem;
```

- Till now, we have just hardcoded the expense details in ExpenseItem component function
- But in regal applications we would get these datas from our backend as json or list of json
- So let us get rid of this hardcoded values in this function instead in app.js(root) we can receive the list of json or construct a list of json now

```
src > Js App.js > App
1    import ExpenseItem from "./components/ExpenseItem";
2
3    function App() {
4      const expenses = [
5        { title: "House Rent", amount: 99.0, date: new Date(2023, 7, 29) },
6        { title: "Grocery", amount: 20, date: new Date(2023, 7, 2) },
7        { title: "School fees", amount: 125.5, date: new Date(2023, 7818) },
8      ];
9      return (
10       <div>
11         <h2>Let's get started!</h2>
12         <ExpenseItem></ExpenseItem>
13       </div>
14     );
15   }
16
17   export default App;
18
```

●
● Now let us pass it to expenseitem component from app.js


```
src > Js App.js > App
1    import ExpenseItem from "./components/ExpenseItem";
2
3    function App() {
4      const expenses = [
5        { title: "House Rent", amount: 99.0, date: new Date(2023, 7,
6        { title: "Grocery", amount: 20, date: new Date(2023, 7, 2) },
7        { title: "School fees", amount: 125.5, date: new Date(2023,
8      ];
9      return (
10       <div>
11         <h2>Let's get started!</h2>
12         <ExpenseItem title={expenses[0].title} ></ExpenseItem>
13
14
15       </div>
16     );
17   }
```

●
○ This is how we pass attributes or properties to child component, **use curly braces to access the list because we are trying to use js syntax inside jsx syntax**

```
  JS index.js        index.html        JS App.js    ×      JS ExpenseItem.js        Ex

src > JS App.js > ⊙ App
   10          <div>
   11            <h2>Let's get started!</h2>
   12            <ExpenseItem
   13              title={expenses[0].title}
   14              amount={expenses[0].amount}
   15              date={expenses[0].date}
   16            ></ExpenseItem>
   17
   18            <ExpenseItem
   19              title={expenses[1].title}
   20              amount={expenses[1].amount}
   21              date={expenses[1].date}
   22            ></ExpenseItem>
   23
   24            <ExpenseItem
   25              title={expenses[2].title}
   26              amount={expenses[2].amount}
   27              date={expenses[2].date}
   28            ></ExpenseItem>
   29          </div>
   30        );
```

- ○ Now we have passed all
- Now how can we access it from our child component(i.e. ExpenseItem)

```
  JS index.js        index.html        JS App.js        JS ExpenseItem.js  ×

src > components > JS ExpenseItem.js > ⊙ ExpenseItem
   1    import './ExpenseItem.css'
   2
   3    function ExpenseItem(props) {
   4        // const expenseDate=new Date(2023, 7, 30);
   5        // const expenseItem='House Rent';
   6        // const expenseAmount=250.00;
   7        return (
   8          <div className='expense-item'>
   9            <div>{expenseDate.toDateString()}</div>
  10            <div className='expense-item__description'>
  11              <h2>{expenseItem}</h2>
  12              <div className='expense-item__price'>${expenseAmoun
```

- ○ Through this parameter
- ○ The attributes which we have passed is constructed into an object and it is passed to this ExpenseItem component function
- ○ So we can access it like this

```
1    import './ExpenseItem.css'
2
3    function ExpenseItem(props) {
4        // const expenseDate=new Date(2023, 7, 30);
5        // const expenseItem='House Rent';
6        // const expenseAmount=250.00;
7      return (
8        <div className='expense-item'>
9          <div>{props.date.toDateString()}</div>
10         <div className='expense-item__description'>
11           <h2>{props.title}</h2>
12           <div className='expense-item__price'>${props.amount}</div>
13         </div>
14       </div>
15     );
16   }
17
18   export default ExpenseItem;
19
```