

# Introduction to JSX

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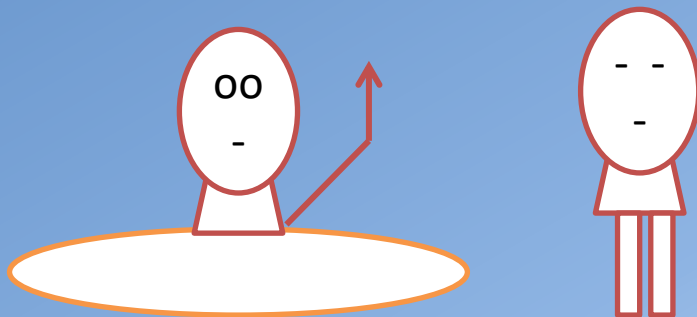
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# Introduction to JSX

```
const element = <h1>Hello, world!</h1>;
```



Waiter, what's this HTML tag doing in my code?

# JSX

- Syntactic extension to JavaScript
- Shorthand notation to represent JavaScript functions calls that evaluate to JavaScript objects
- Avoids artificial separation of rendering logic from other UI logic

# JSX

```
const element = (  
  <h1 className="greeting">  
    Hello, world!  
  </h1>  
);
```



```
const element = React.createElement(  
  'h1',  
  {className: 'greeting'},  
  'Hello, world!'  
);
```



```
const element = {  
  type: 'h1',  
  props: {  
    className: 'greeting',  
    children: 'Hello, world!'  
  }  
};
```

# Embedding Expressions in JSX

```
const dish = { id: 0, name:'Uthappizza', . . .};

return (
  <div key={dish.id} className="col-12 mt-5">
    <Media tag="li">
      <Media body className="ml-5">
        <Media heading>{dish.name}</Media>
      </Media>
    </Media>
  </div>
);
```