



# REACT

## COMPONENT FUNCTIONS

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### Usage:

```
function Name(props) {  
  return elements;  
}
```

### Example:

```
function Welcome(props) {  
  return <h1>Hello, {props.name}</h1>;  
}
```

## RENDERING A COMPONENT

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### Usage:

```
const element = <Component key="value" />;  
ReactDOM.render(  
  element,  
  target  
)
```

### Example:

```
const element = <Welcome name="Sara" />;  
ReactDOM.render(  
  element,  
  document.getElementById('root')  
)
```

## JSX

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### JS Expression

Wrap in curly braces  
`Hello, {formatName(user)}!`

### Attribute values

String literals in quotes; expressions without quote  
`<div tabIndex="0"></div>;`  
`<img src={user.avatarUrl}></img>;`

### Attribute names

Camel case, using JS standards  
`<div className="hidden"></div>;`

### Empty tags

Close with space and slash  
`<img src={user.avatarUrl} />;`

# BUILDING A LIST

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## Usage:

```
const name = array.map((element) =>
  <li>{element}</li>
);
return (
  <ul>{name}</ul>
);
```

## Example:

```
const listItems = numbers.map((number) =>
  <li>{number}</li>
);
return (
  <ul>{listItems}</ul>
);
```