

CSE 331

Testing HTML

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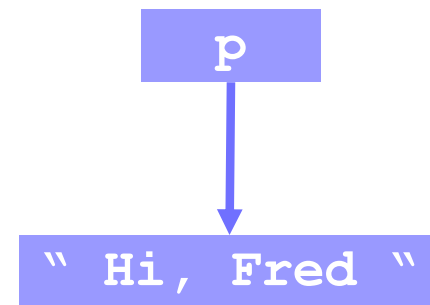
Testing HTML

- `deepStrictEqualEquals` **requires trees to match exactly**
 - compares the trees returned (before `render` is called)
 - will complain about *any* difference in tree shape or contents
 - only change performed is **whitespace compression** in HTML

```
return (<p>  
  Hi, Fred  
</p>);
```

is the same as

```
return <p> Hi, Fred </p>;
```



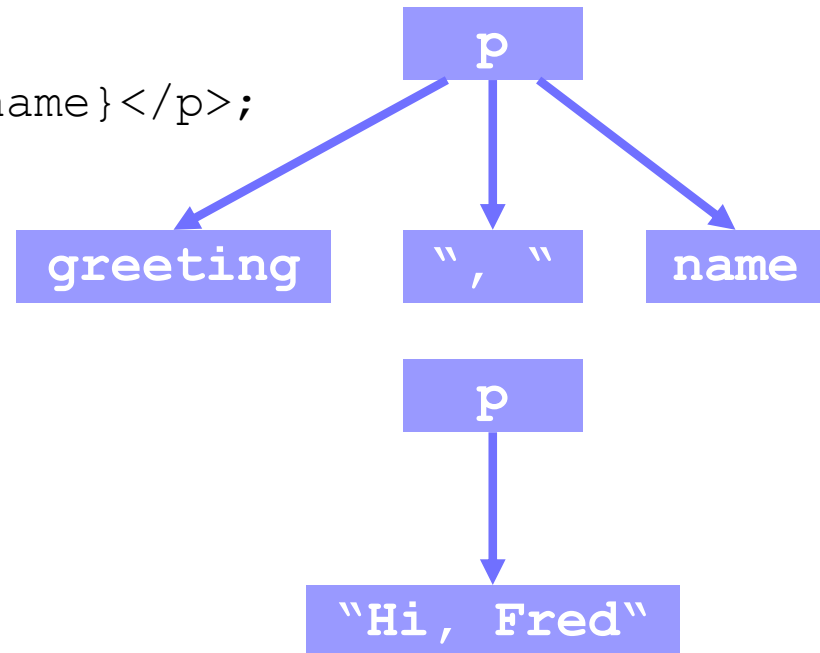
Testing HTML

- `deepStrictEquals` **requires trees to match exactly**
 - compares the trees returned (before `render` is called)
 - will complain about *any* difference in tree shape or contents

```
const greeting = "Hi";  
const name = "Fred";  
return <p>{greeting}, {name}</p>;
```

is different from

```
return <p>Hi, Fred</p>;
```



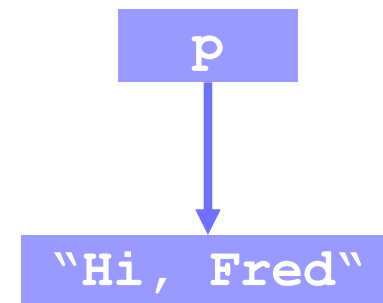
Testing HTML

- `deepStrictEqualEquals` **requires trees to match exactly**
 - compares the trees returned (before `render` is called)
 - will complain about *any* difference in tree shape or contents
 - white space doesn't matter in JS / TS, i.e., inside `{..}`

```
return (<p>{  
  "Hi, Fred"  
}</p>);
```

is the same as

```
return <p>{"Hi, Fred"}</p>;
```



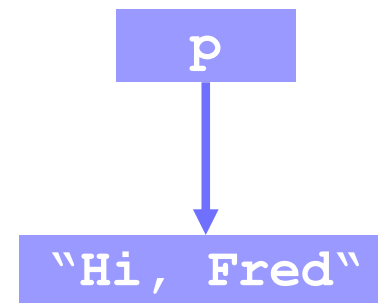
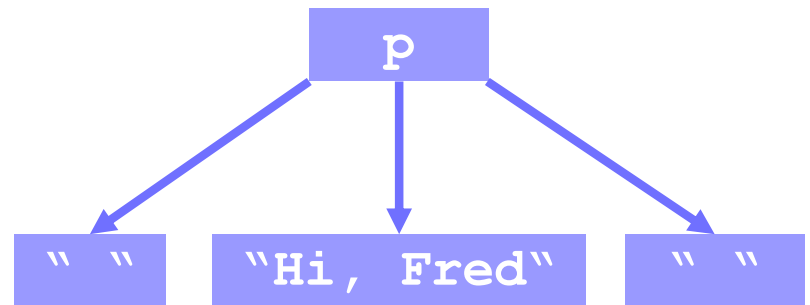
Testing HTML

- `deepStrictEquals` **requires trees to match exactly**
 - compares the trees returned (before `render` is called)
 - will complain about *any* difference in tree shape or contents
 - white space does matter outside `{..}`

```
return (<p>  
  {"Hi, Fred"}  
</p>);
```

is different from

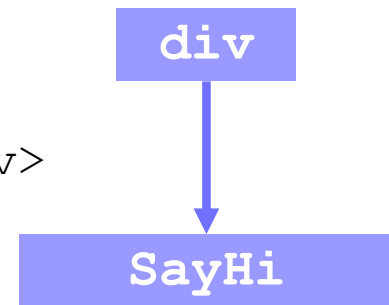
```
return <p>{"Hi, Fred"}</p>;
```



Testing HTML

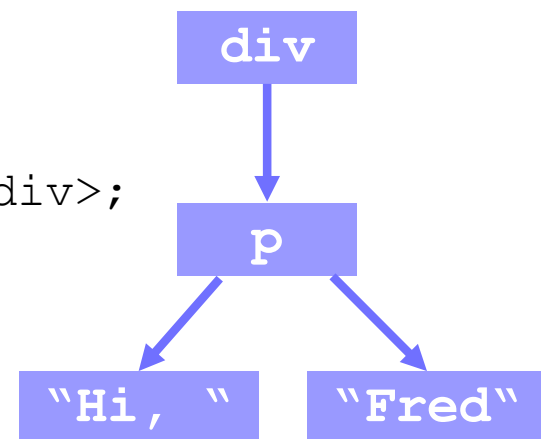
- `deepStrictEquals` **requires trees to match exactly**
 - custom tags are not substituted

```
return <div><SayHi name={"Fred"}/></div>
```



is different from

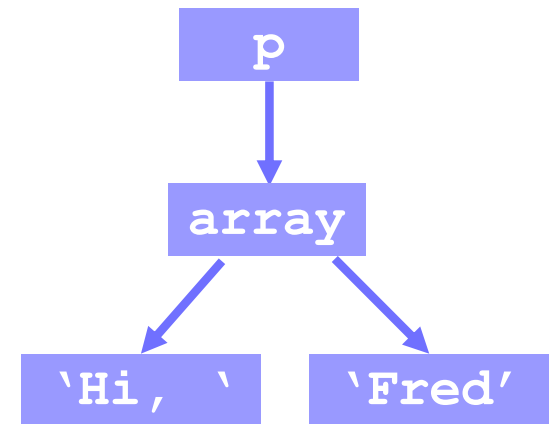
```
return <div><p>Hi, {"Fred"}</p></div>;
```



Testing HTML

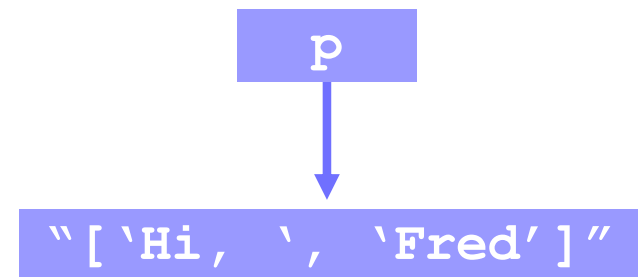
- `deepStrictEqualEquals` **requires trees to match exactly**
 - arrays are expressions, so they go in `{..}`

```
return <p>{['Hi, ', 'Fred']}</p>
```



is different from

```
return <p>['Hi, ', 'Fred']</p>
```



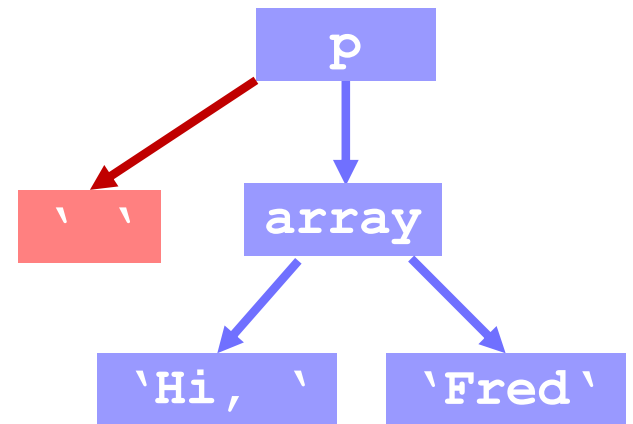
Testing HTML

- `deepStrictEqualEquals` **requires trees to match exactly**
 - arrays are expressions, so they go in `{..}`

```
return <p>{['Hi, ', 'Fred']}</p>
```

is different from

```
return <p> {['Hi, ', 'Fred']}</p>
```

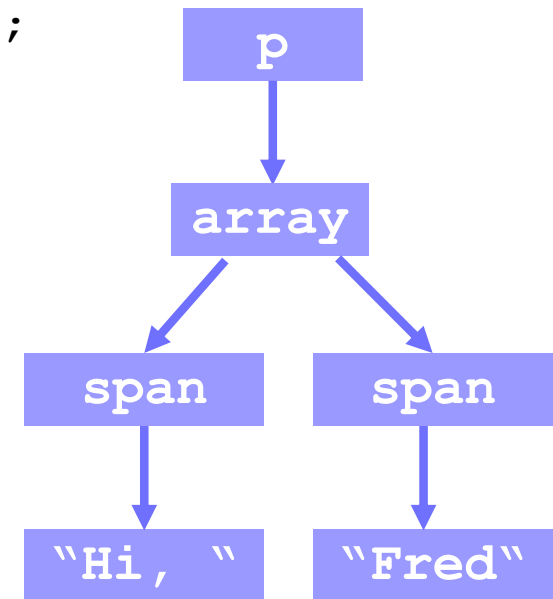


Testing HTML

- Carefully think through what the object shape is...

```
const L: JsxList = jcons(<span>Hi, </span>,
  jcons(<span>Fred</span>, jnil));
return <p>{jcompact(L)}</p>
```

returns an array containing two spans, the same as



```
return <p>{ [<span>Hi, </span>, <span>Fred</span>] }</p>
```