1. r	parent:: -	Select	the	parent	of	a node
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HTML:

XPath Expression:

```
//input[@id='email']/parent::div
```

Output Explanation:

```
Selects: <div class='form-group'> (parent of input)
```

2. child:: - Select child elements of a node

HTML:

XPath Expression:

```
//div[@class='container']/child::input
```

Output Explanation:

```
Selects: <input type='text'> (child of div)
```

3. ancestor:: - Select all ancestors of a node

XPath Expression:

```
//input[@id='email']/ancestor::form
```

Output Explanation:

```
Selects: <form> (ancestor of input)
```

4. self:: - Select the current node itself

HTML:

```
<input type='text' name='username'/>
```

XPath Expression:

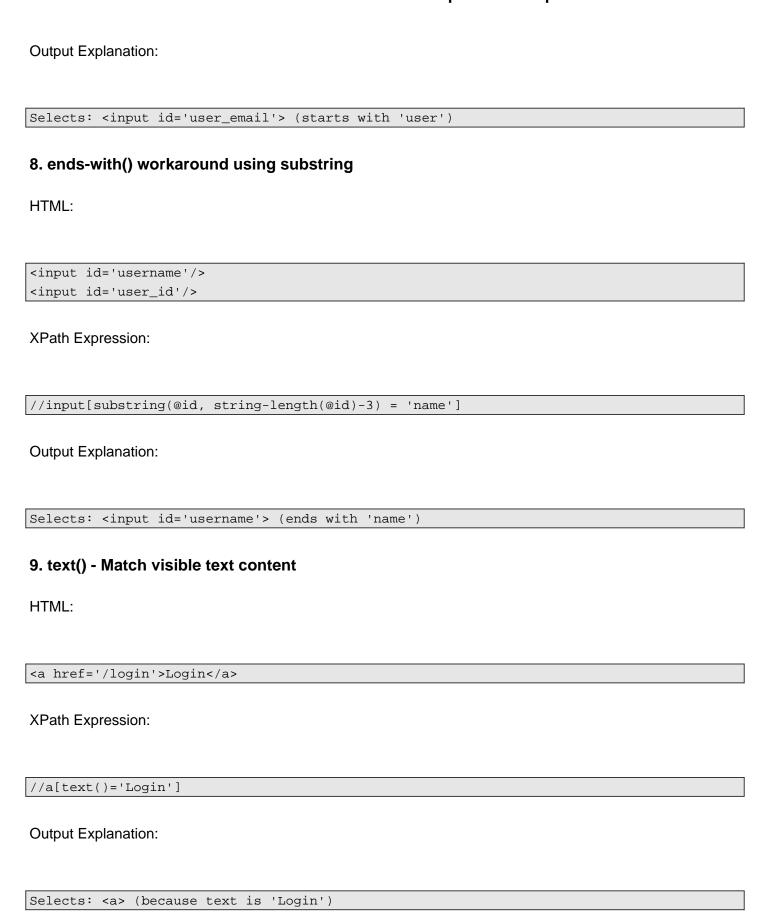
```
//input[@name='username']/self::input
```

Output Explanation:

```
Selects: <input> (itself)
```

5. descendant:: - Select all descendants of a node





10. preceding:: - Select elements before the node



```
<input id='email'/>
<label for='email'>Email</label>
```

XPath Expression:

```
//label[text()='Email']/preceding::input
```

Output Explanation:

```
Selects: <input id='email'> (comes before label)
```

11. AND & OR - Combine multiple conditions

HTML:

```
<input type='text' name='username'/>
<input type='submit' value='Login'/>
```

XPath Expression:

```
//input[@type='text' and @name='username']
```

Output Explanation:

```
Selects: <input> where type is 'text' AND name is 'username'
```

12. following-sibling:: - Select next sibling element

```
<label>Username</label>
<input type='text'/>
```

XPath Expression:

```
//label[text()='Username']/following-sibling::input
```

Output Explanation:

```
Selects: <input> (comes after the label)
```

13. preceding-sibling:: - Select previous sibling element

HTML:

```
<label>Email</label>
<input id='email'/>
```

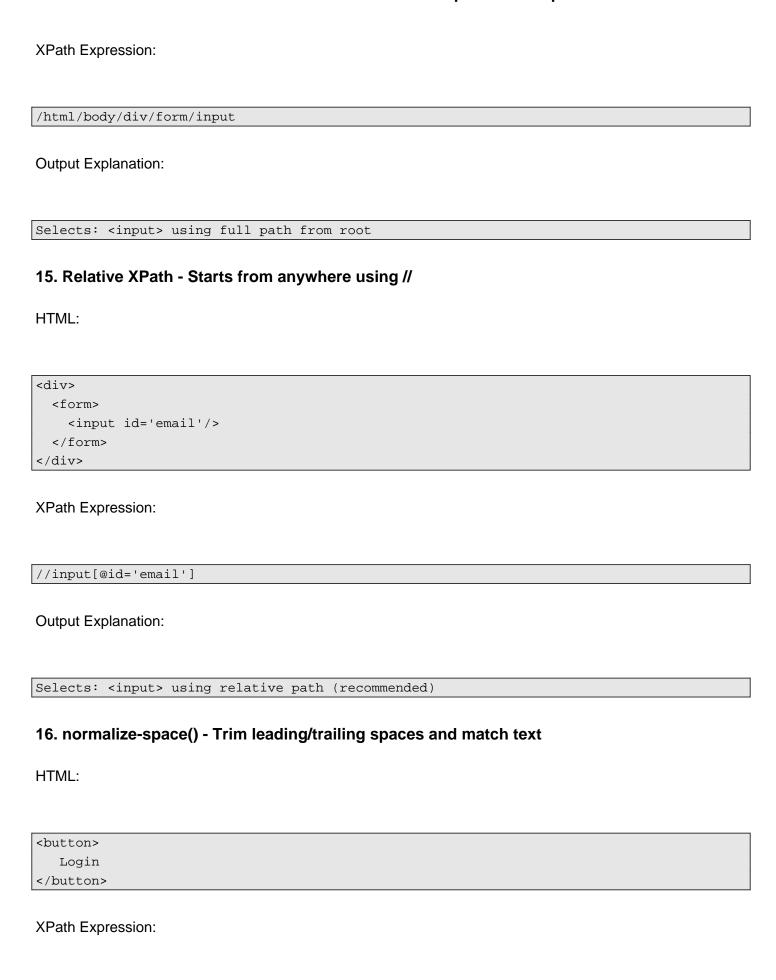
XPath Expression:

```
//input[@id='email']/preceding-sibling::label
```

Output Explanation:

```
Selects: <label> (before the input on same level)
```

14. Absolute XPath - Full path from root node (not recommended)



//button[normalize-space(text())='Login']

Output Explanation:

Selects: <button> (ignores extra spaces around text)