

nth Locators:

Used when multiple elements match the same selector.

```
import {test,chromium} from '@playwright/test'
```

```
test('to validate radio button',async () => {
```

```
  /*[@id="j_idt87:console1"]/tbody/tr/td[1]/div/div[2]/span
```

```
  const browser = await chromium.launch({headless:false});
```

```
  const page = await browser.newPage();
```

```
  await page.goto('https://the-internet.herokuapp.com/hovers');
```

```
  |
```

```
  for(let i=0; i<3;i++)
```

```
  {
```

```
    await page.locator('.figure').nth(i).hover();
```

```
    //i=i+1;
```

```
    //image hovering text
```

```
    const text = await page.locator(`(//div[@class='figure']/h5)[${i+1}]`).textContent();
```

```
    console.log(`image ${i+1} :::`,text);
```

```
    //div[@class='figcaption'] /a
```

```
    const link = await page.locator(`(//div[@class='figure']/a)[${i+1}]`).textContent();
```

```
    console.log(`image link ${i+1} :::`,link);
```

```
  }
```

```
  browser.close();
```

```
});
```

Filter function:

```
import { test, expect } from '@playwright/test';
```

```
test('Handle dynamic elements after login', async ({ page }) => {  
  await page.goto('https://www.saucedemo.com');
```

```
  // Fill in login credentials
```

```
  await page.getByPlaceholder('Username').fill('standard_user');
```

```
  await page.getByPlaceholder('Password').fill('secret_sauce');
```

```
  await page.getByRole('button', { name: 'Login' }).click();
```

```
  // Wait for the dynamic element (page title) to be visible
```

```
  await page.waitForSelector('.title', { state: 'visible' });
```

```
  // Use filter to refine locator based on text
```

```
  const title = page.locator('.title').filter({ hasText: 'Products' });
```

```
  await expect(title).toBeVisible();
```

```
});
```

Radio button validation:

```
import { test, chromium } from '@playwright/test'
```

```
test('to validate radio button', async () => {
```

```

    /**[@id="j_idt87:console1"]/tbody/tr/td[1]/div/div[2]/span
const browser = await chromium.launch({headless:false});
const page = await browser.newPage();
await
page.goto('https://leafground.com/radio.xhtml;jsessionid=node01xp7buedkhjqe1k3o4zcta04pf8618306.node0');
|
await page.locator('/**[@id="j_idt87:console1"]/tbody/tr/td[1]/div/div[2]/span').click();
await page.waitForTimeout(2000);
|
|
})

```

Single select dropdown:

```

import {test,expect,chromium} from '@playwright/test'

test('page assertion', async () => {
    await test.setTimeout(60000);
    const browser = await chromium.launch({headless:false});
    const context = await browser.newContext();
    const page = await context.newPage();
    |
    await page.goto('https://the-internet.herokuapp.com/dropdown');
    //select by text
    await page.locator('#dropdown').selectOption('Option 2');

    //select by value

```

```
//await page.locator('#dropdown').selectOption({value:'1'});  
await page.waitForTimeout(3000);  
browser.close();  
});
```