**UNIT TEST AUTOMATION IN ANGULAR**

1. Create a new app – **ng new app-testing**
2. **cd app-testing**
3. ng serve -o
4. In the **app.component.spec.ts** file there are some already defined Unit Test cases in Jasmine.

**Jasmine** is a JS library/framework for unit testing.

1. To check our own test cases, we will create another component say -USER
2. **ng g c user**
3. Inside **user.component.ts** we will write-
4. export class UserComponent implements OnInit {
5. componentName="user"
6. constructor() { }
7. ngOnInit(): void {
8. }
9. sum(a,b){
10. return a+b
11. }
12. }

Line No. 9,14,15,16 is written by me.

8. Inside **user.component.spec.ts** we will write –

it("testing title",()=>{

    expect(component.componentName).toBe("user")

  })

  it("testing sum function",()=>{

    expect(component.sum(40,60)).toBe(100)

  })

  it("Testing HTML element",()=>{

    const data=fixture.nativeElement;

    expect(data.querySelector(".some").textContent).toContain("User")

  })

9. Inside **user.component.html**

<p>user works!</p>

<h1 class="some">User</h1>

10. For running the test cases-

**ng test**

