# Cypress Assertion

Two categories for the assertion:

1. Implicit assertions: these assertions are the default or built-in assertions in the cypress

Here we use ‘should’ and ‘and’.

1. Explicit assertions: here we use ‘except’ and ‘assert’.

# Code

## Environment Setup

Create a file named “Assertions.cy.js” in the e2e folder.

## Code in Assertions.cy.js File

Describe(“Assertions demo”, () => {

It(“Implicit Assertions”, () => {

cy.visit(“https://opensource-demo.orangehrmlive.com/web/index.php/auth/login”)

// to add implicit we use two keywords those are “Should” and “and”

// to check that current url we use the cy.url where should contains the keyword include

// where include is one type of keyword used by should, below code is implicit assertion

cy.url().should(‘include’, ‘orangehrmlive.com’)

//cy.url() is for capture the url

// to check the exact url

//cy.url().should(‘eq’, (“https://opensource-demo.orangehrmlive.com/web/index.php/auth/login”)

//cy.url().should(‘contain’, ‘orangehrm’)

//Multiple assertion with using should

cy.url().should(‘include’, ‘orangehrmlive.com’)

.should(‘eq’, ‘https://opensource-demo.orangehrmlive.com/web/index.php/auth/login’)

.should(‘contain’, ‘orangehrm’)

//Multiple assertion with using and

cy.url().should(‘include’, ‘orangehrmlive.com’)

.and(‘eq’, ‘https://opensource-demo.orangehrmlive.com/web/index.php/auth/login’)

.and(‘contain’, ‘orangehrm’)

.and(‘not.contain’, ‘orangehrm’) // Negative assertion and also have “not.eq”

// OrangeHRM is the actual title

cy.title().should(‘include’, ‘Orange’)

.and(‘eq’, “OrangeHRM”)

.and(‘contain’, “HRM”)

A computer screen shot of a cartoon

Description automatically generatedA screenshot of a computer

Description automatically generated

// to check the logo element above image shows the procedure to code to check is it visible or not

cy.get(‘.orangehrm-login-branding > img’).should(‘be.visible’)

//alternative of above code

cy.get(‘.orangehrm-login-branding > img’).should(‘exist’)

// above code can be written as

// Check logo visible or not

cy.get(‘.orangehrm-login-branding > img’).should(‘be.visible’)

.and(‘exist’) // to check logo exist or not

// To Check total number of links present in webpage. Every links is having anchor tag

cy.xpath(“//a”).should(‘have.length’, ‘5’)

// 31:06

})

})