Sri Lanka Institute of Information Technology

Software Engineering Process & Quality Management

SE3010
Cypress Lab Sheet

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Initialize a new Node.js project

```
Microsoft Windows [Version 10.0.22631.5039]
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D:\Y3 S1\SEP - QM\lab 05 - Cypress Lab\cypress lab>npm init -y
Wrote to D:\Y3 S1\SEP - QM\lab 05 - Cypress Lab\cypress lab\package.json:

{
  "name": "cypress-lab",
  "version": "1.0.0",
  "main": "index.js",
  "scripts": {
    "test": "echo \"Error: no test specified\" && exit 1"
  },
  "keywords": [],
  "author": "",
  "license": "ISC",
  "description": ""
}



D:\Y3 S1\SEP - QM\lab 05 - Cypress Lab\cypress lab>
```

Install cypress
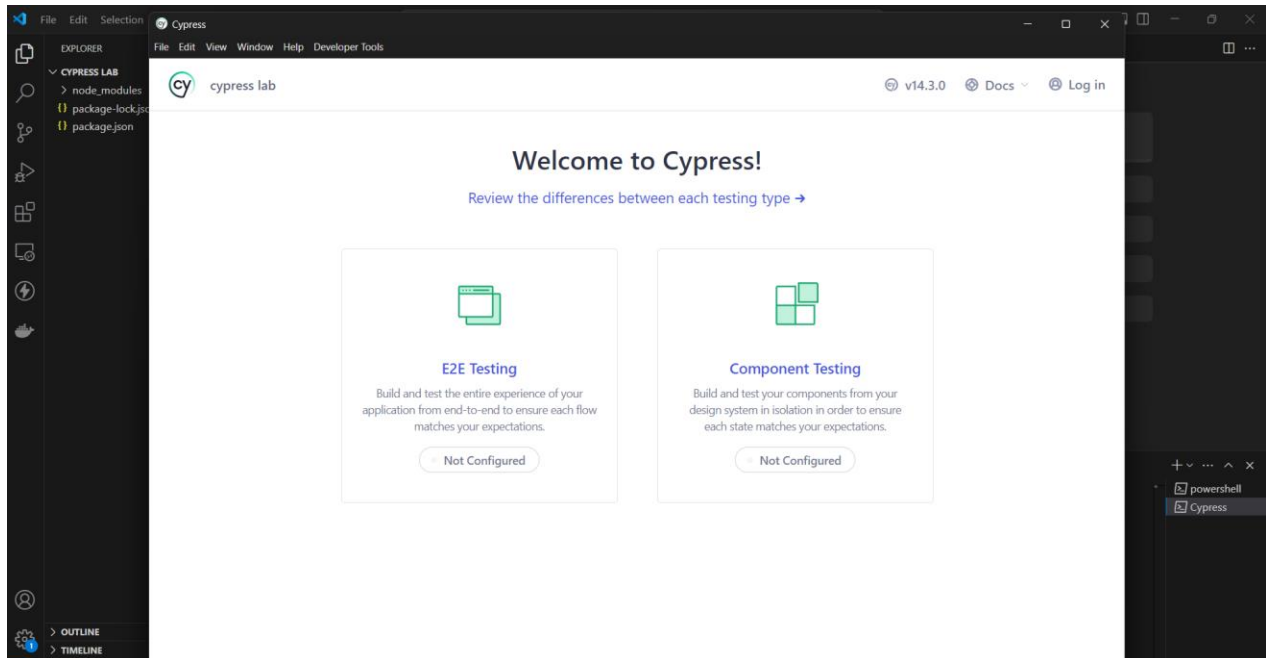
```
PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS D:\Y3 S1\SEP - QM\lab 05 - Cypress Lab\cypress lab> npm install cypress --save-dev

added 175 packages, and audited 176 packages in 5m

40 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
PS D:\Y3 S1\SEP - QM\lab 05 - Cypress Lab\cypress lab>
```
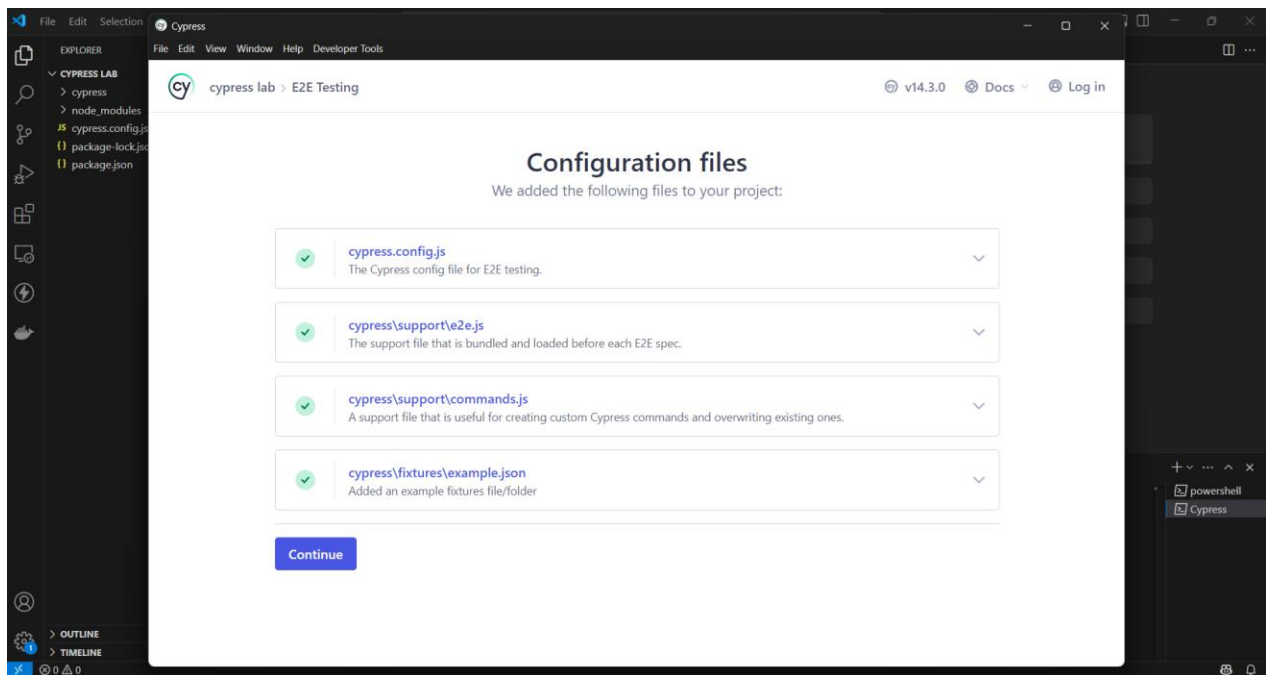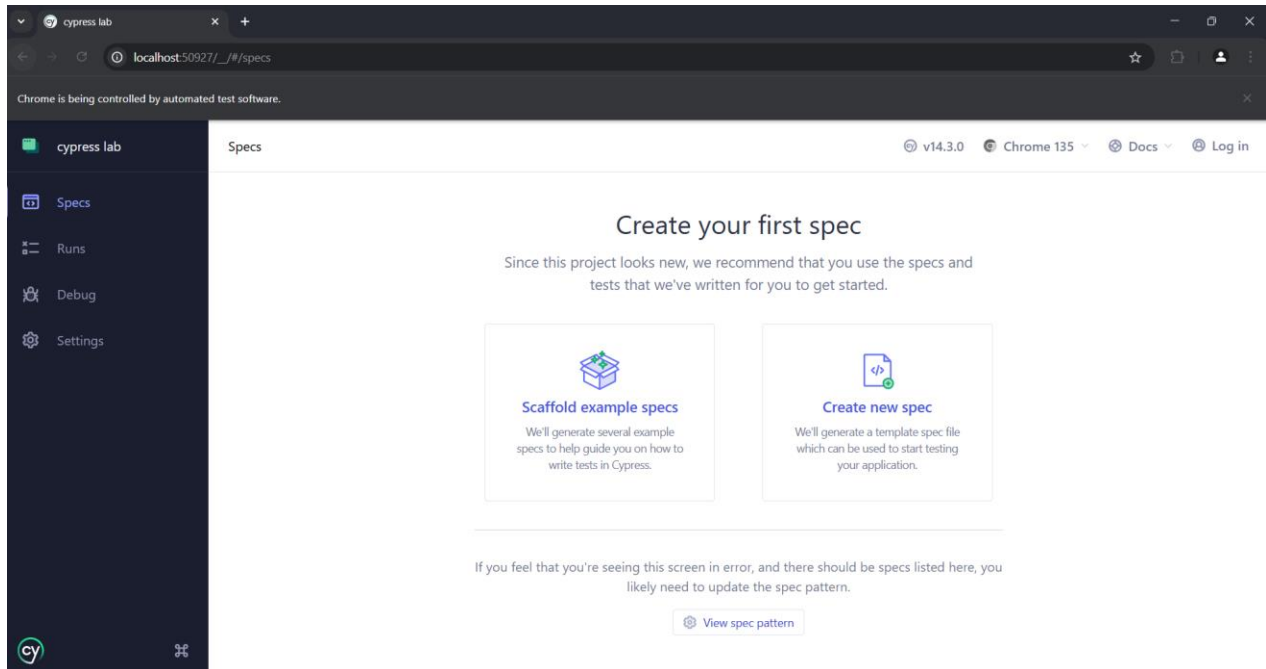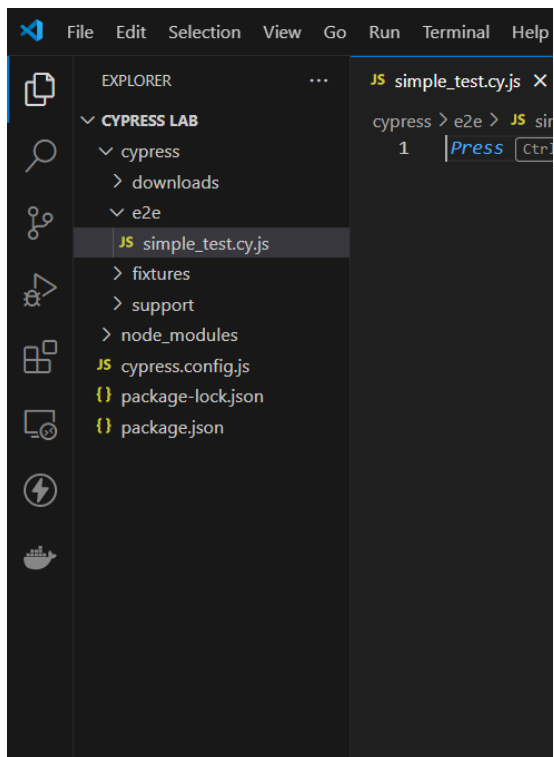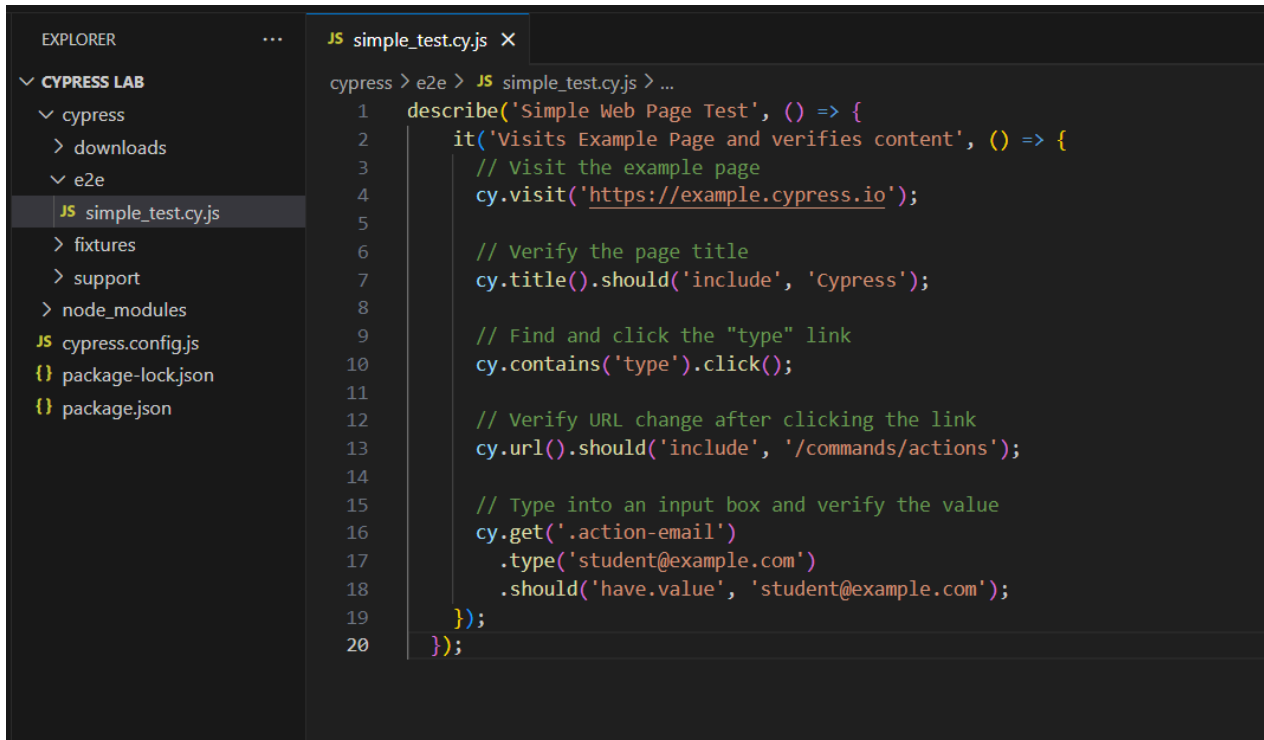
Open cypress

E2E testing

Start testing

cypress/e2e folder, inside simple_test.cy.js. file

Test scripts

```js
describe('Simple Web Page Test', () => {
    it('Visits Example Page and verifies content', () => {
        // Visit the example page
        cy.visit('https://example.cypress.io');

        // Verify the page title
        cy.title().should('include', 'Cypress');

        // Find and click the "type" link
        cy.contains('type').click();

        // Verify URL change after clicking the link
        cy.url().should('include', '/commands/actions');

        // Type into an input box and verify the value
        cy.get('.action-email')
          .type('student@example.com')
          .should('have.value', 'student@example.com');
    });
});
```

Open cypress again
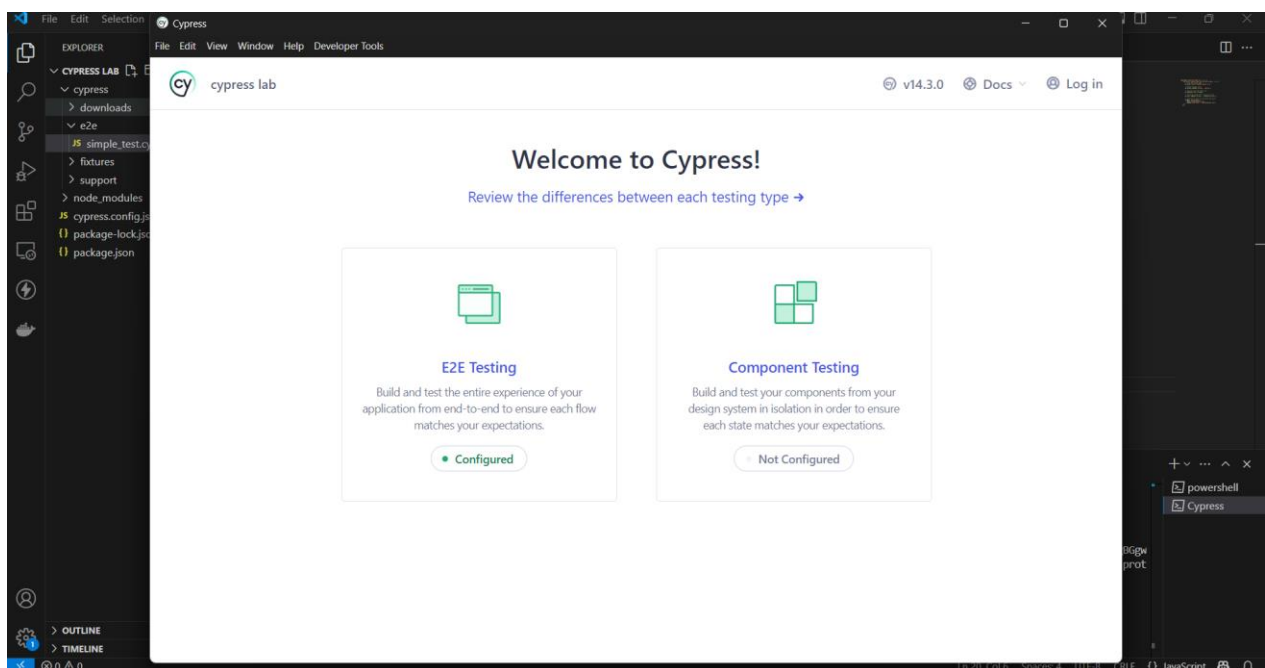
e2e testing and select browser

Run the test