HARDHAT TEST EXAMPLE—

// test/token-test.js

const { expect } = require("chai");

describe("Token Contract", function () {

let Token;

let token;

let owner;

let addr1;

beforeEach(async function () {

Token = await ethers.getContractFactory("Token");

[owner, addr1] = await ethers.getSigners();

token = await Token.deploy();

});

it("should mint tokens", async function () {

await token.mint(owner.address, 100);

expect(await token.balances(owner.address)).to.equal(100);

});

it("should transfer tokens", async function () {

await token.mint(owner.address, 100);

await token.transfer(addr1.address, 50);

expect(await token.balances(owner.address)).to.equal(50);

expect(await token.balances(addr1.address)).to.equal(50);

});

});