// contacts.js (example function)

function addContact(contacts, newContact) {

if (!newContact.name) throw new Error('Name is required');

contacts.push(newContact);

return contacts;

}

module.exports = addContact;

// contacts.test.js

const addContact = require('./contacts');

test('adds a new contact successfully', () => {

const contacts = [];

const newContact = { name: 'Alice', phone: '123456' };

const result = addContact(contacts, newContact);

expect(result).toHaveLength(1);

expect(result[0].name).toBe('Alice');

});

test('throws error if name is missing', () => {

const contacts = [];

const newContact = { phone: '123456' };

expect(() => addContact(contacts, newContact)).toThrow('Name is required');

});