function getContinents(callback) {

setTimeout(function() {

let continent = 'Asia';

callback(continent)

}, 2000)

}

function getCountries(continent, callback) {

setTimeout(function() {

let countries = ["India", "Pakistan", "Bangladesh", "Sri Lanka", "Afghanistan"];

callback(countries);

}, 2000)

}

function getStates(country, callback) {

setTimeout(function() {

let states = ["UP", "MP", "AP", "JK"];

callback(states);

}, 3000)

}

function getCities(state, callback) {

setTimeout(function() {

let cities = ["Lucknow", "Pilibhit", "Prayagraj", "DDU"];

callback(cities);

})

}

//Callback hell or XMAS tree problem

getContinents(function(continent) {

getCountries(continent, function(countries) {

getStates(countries[0], function(states) {

getCities(states[0], function(cities) {

console.log(cities)

})

})

})

});