

Batch #13 / Front-End Class
Remote Learning Assignment - Week 4

Assignment 1: Callback Function

Complete the function below to show a delayed result in the console.

```
function delayedResult(n1, n2, delayTime, callback){  
    // your code here  
}  
delayedResult(4, 5, 3000, function(result){  
    console.log(result);  
}); // 9 (4+5) will be shown in the console after 3 seconds  
delayedResult(-5, 10, 2000, function(result){  
    window.alert(result);  
}); // 5 (-5+10) will be shown in an alert dialog after 2 seconds
```

Hint: You should use [window.setTimeout\(\)](#) for time scheduling.

Batch #13 / Front-End ClassRemote Learning Assignment - Week 4

Assignment 2: Callback Function and Advanced HTML DOM

Complete the functions below to make AJAX call to a URL by GET method, and show the response data in the page. You may render UI with any style.

```
function ajax(src, callback){
    // your code here
}
function render(data){
    // your code here.
    // document.createElement() and appendChild() are preferred. No innerHTML or
    // something alike
}
ajax("https://cwpeng.github.io/live-records-samples/data/products.json", function(response){
    render(response);
}); // you should get product information in JSON format and render data in the page
```

Reminder: You cannot connect to arbitrary URLs because of [Same-Origin Policy](#) implemented by browser. So, feel free to use the URL provided by me for testing, otherwise, you can refer to an advanced topic: [CORS](#).

Batch #13 / Front-End ClassRemote Learning Assignment - Week 4

Assignment 3: Re-Implement Layout by React

Re-implement what we have done in week 1, and assignment 4 in week 2 by React thinkings and rules. You may like to follow the steps below:

1. Prepare your React project. To be simple, you can start from downloading this [Minimal HTML Template](#) provided by the [official getting started page](#).
2. Re-create RWD page layout, the same as what we have done in week 1.
3. Re-add effects to the page, the same as what we have done in assignment 4 in week 2. Follow React rules to handle events and manipulate HTML DOM by setting state.
4. You should test your page on a local server or Github Page.

In the HTML file, you can add only single <div> in <body>, any other HTML elements should be rendered dynamically by React Components.

Reminder: Don't hesitate to call for help if you get stuck in something more than one day.