2017 ZJUBTV Internal Course Week4

Learning Resource:
1. Imooc: http://www.imooc.com/learn/36
2. W3school: http://www.w3school.com.cn/js/index.asp

In this week, you should know :
How to embed JS into the HTML webpage
The concept of DOM
How to use JS to modify the HTML and CSS elements, especially how to bind a tag(标签) which has its own class or id.

If you don't know how to finish the work, you can review with the source. And ask us in the Wechat Group or QQ group when something can not be solved.

Week 4 Basic JavaScript
(Due: 5:00 pm November 1st,2017)

1.Change color
You should make the block drawn in the Week1 Assignment change its color when you move your mouse over it.i.e:
When the mouse is not on the block:

When the mouse is on the block:

When the mouse move out of the block, the color change back to yellow.
Requirement & Hint :
1.The opacity should be 1 when the mouse is on the block.
2.You should contain two or more blocks in this page.
3.You can use function "getElementsByTagName()" to bind multiple blocks.
4.You can use a for-loop to monitor the "onmouseover" event.
e.g : a[i].onmouseover = function(){}

2.Clock

You are required to design a clock which can vary with time.

The format of the clock is like the following:

2017年7月21日 Friday 16:22:24

Requirement & Hint:

1.The clock can move simultaneously.

2.You can create a Date type variable and get the current time from your computer.

E.g: var myDate = new Date();

    Var year = myDate.getFullYear();……

3.You should consider the condition where the second is a number less than 10. In this condition you should add a '0' befor the number of second.

4.You can use the function "setTimeout()" to update the current time.

5.The detail of the function above can be found in w3school.