**Jobsheet-6: JQuery and Bootstrap**

**Web Design and Programming Courses**

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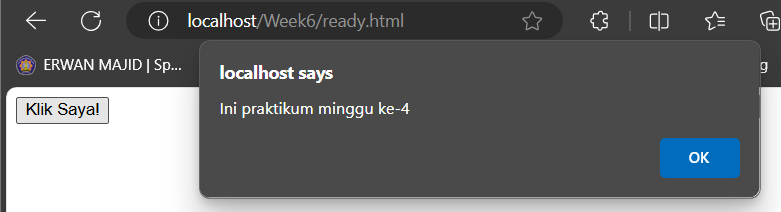
Link github: <https://github.com/Majid5654/Semester-3/tree/master/Week6>

* **Practical Section 1. Preparing to Use JQuery**

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* **Practical Section 2. Document Ready Function**

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**-**After modified:



1. From your observations, what do you understand from the document ready() function?

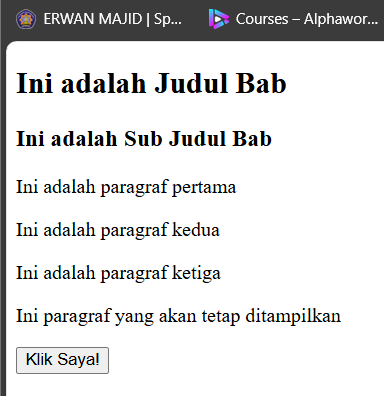
Record the results of your observations and explanations of your understanding below (Question No. 1)

-before modified : code runs after the DOM is fully loaded, ensuring the click event is attached successfully

-After modified: If the script is executed before the DOM element #button1 exists, the event handler won't be attached, leading to no response when the button is clicked

* **Practical Section 3. Selector**

1. Record and explain your observations after running the program code above. (Question No. 2)

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-<h2>: This is a second-level heading element, used for the title of the section ("Ini adalah Judul Bab").

-<h3 class="subjudul">: This is a third-level heading element, which represents a subheading ("Ini adalah Sub Judul Bab"). Additionally, it has a class attribute called "subjudul

-<p id="paragraf">: This is a paragraph element with the id attribute set to "paragraf". The text inside the paragraph is "Ini adalah paragraf pertama".

-A div element groups one of the paragraphs inside.

The document ends with a button element that could be used to trigger events, such as showing an alert or performing some action with JavaScript.

1. In the program code in step number 1, there are some jQuery selector writings. Write down and explain what jQuery Selector is in your code. (Question No. 3)

-$("#id"): Selects an element by id. In your case, $("#paragraf") targets the element with id="paragraf".

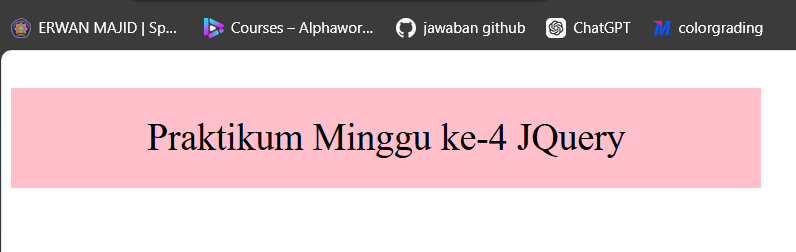
-$(".class"): Selects elements by class. For example, $(".dua") targets elements with class="dua", and $(".paragraf") targets all elements with class="paragraf".

-$("tag"): Selects all elements of a particular tag name, like $("p") to select all paragraphs.

-$("element"): Selects specific elements like buttons, images, or inputs (e.g., $("button")).

* **Practical Section 4. Events**

1. Record and describe the changes that occurred based on your observations (Question No.4)



-the paragraph with the id="paragraf" is styled with a width of 600px, height of 80px, pink background, centered text, and a font size of 30px

Click: When the user clicks on the element with id="paragraf", the text color changes to white.

Mouseover: When the user hovers the mouse over the element, the background color changes to silver.

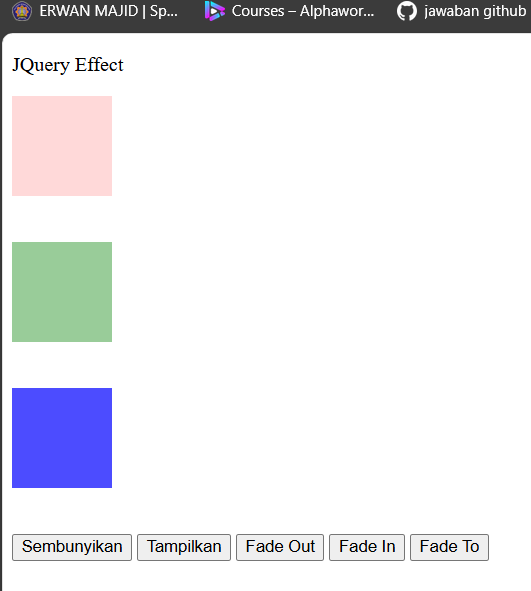
Mouseout: When the user moves the mouse out of the element, the background color changes to blue.

Double-click: When the user double-clicks the element, a solid black border (3px) is added around it

-The paragraph with the text "Praktikum Minggu ke-4 JQuery" will display and respond to the events specified in the script.

* **Practical Section 5. Hide and Show Effect**

1. Record and describe the changes that occurred based on your observations (Question No.5)



-The HTML includes three <div> elements with IDs div1, div2, and div3. Each of these <div> elements is styled using the .kotak

-The buttons (<button>) are used to trigger various jQuery effects when clicked

-Hide div1: When the button with the class .tombol1 is clicked, the <div> with ID #div1 will be hidden instantly (hide() method

-Show div1: When the button with the class .tombol2 is clicked, the hidden <div> with ID #div1 will be displayed again using the show() method.

-Fade Out div1, div2, and div3: div1 fades out immediately.

div2 fades out more slowly with the "slow" keyword.

div3 takes 3 seconds to fade out (3000 milliseconds).

-Fade In div1, div2, and div3: div1 fades in immediately.

div2 fades in slowly.

div3 fades in over 3 seconds.

-Fade To a Specific Opacity: div1 fades to 15% opacity.

div2 fades to 40% opacity.

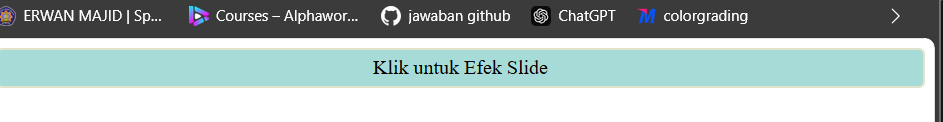
div3 fades to 70% opacity.

-Effect Buttons: <button class="tombol1">Sembunyikan</button>: Each button is associated with a class (.tombol1, .tombol2, etc.), and clicking a button triggers the corresponding jQuery function.

* **Practical Section 6. Slide Effect**

1. Record and explain the changes that occurred based on your observations (Question No.6)





-The jQuery $(document).ready() function ensures that the DOM is fully loaded before running the jQuery code.

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