

Practical 7 – Programs on Basic jQuery

Practical 7. a)

Aim: jQuery Basic, jQuery Events

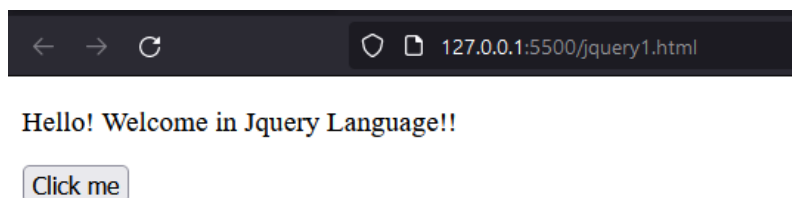
Solution:

- I. Write a JQuery to Change text contents of the elements on button click.

Code:

```
<!doctype html>
<html>
<head>
  <title>Online jQuery Editor</title>
  <script src="jquery.js"></script>
  <script>
    $(document).ready(function() {
      {
        $("button").click(
          function() {
            document.write("hello world");
          }
        );
      }
    });
  </script>
</head>
<body>
  <p>Hello! Welcome in JQuery Language!!</p>
  <button>Click me</button>
</body>
</html>
```

Output:



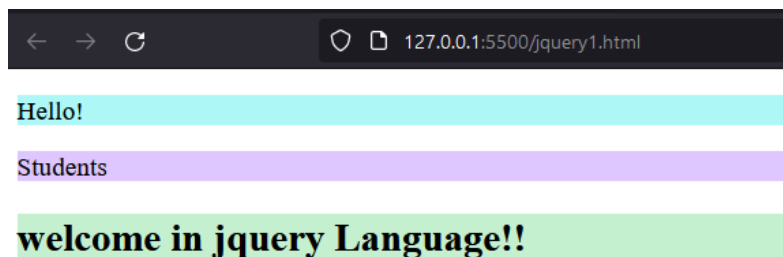
- II. Write a JQuery to Select elements by class name,id and element name.

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Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function () {
        $(".class1").css("background", "#ADF7F7");
        $("#id1").css("background", "#DEC7FF");
        $("h2").css("background", "#C5F0D0");
      });
    </script>
  </head>
  <body>
    <p class="class1">Hello!</p>
    <p id="id1">Students</p>
    <h2>welcome in jquery Language!!</h2>
  </body>
</html>
```

Output:



- III. Write a JQuery to show the use of Click(), hover(), on(), trigger(), off() events.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>
    <script>
```

```

$(document).ready(function () {
    $("#b1").hover(function () {
        document.write("hello world");
    });

    $("p").on("click", function () {
        $(this).css("background-color", "pink");
    });

    $("#b2").click(function () {
        $("p").off("click");
    });

    $("#b3").on("click", function () {
        $("#t1").hide();
    });

    $("input").select(function () {
        $("input").after(" Text marked!");
    });
    $("#b4").click(function () {
        $("input").trigger("select");
    });
});
</script>
</head>
<body>
    <button id="b1">hover</button><br />

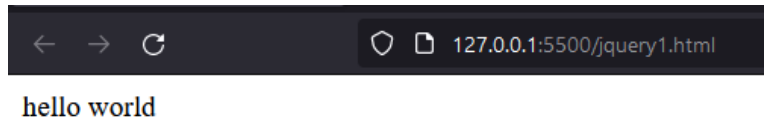
    <p>hello welcome in Mulund college of commerce!!</p>
    <p>TYIT students</p>
    <button id="b2">off</button><br /><br />

    <p id="t1">Hello world</p>
    <br />
    <button id="b3">on</button><br /><br />

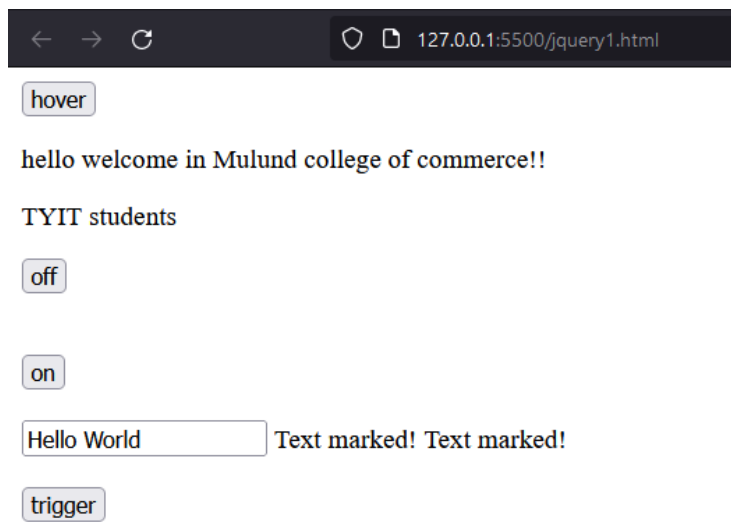
    <input type="text" value="Hello World" /><br /><br />
    <button id="b4">trigger</button>
</body>
</html>

```

Output:



After Hovering on Hover Button



Practical 7.b)

Aim: jQuery Selectors, jQuery Hide and Show effects.

- I. Write a JQuery to Create animated show hide effect.

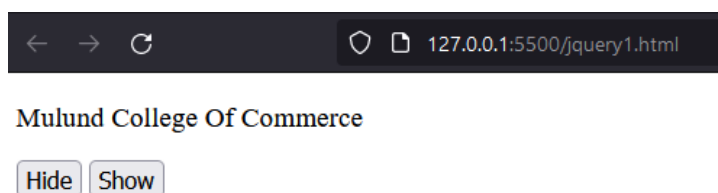
Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function () {
        $("#b1").click(function () {
          $("p").hide();
        });
        $("#b2").click(function () {
          $("p").show();
        });
      });
    </script>
  </head>
  <body>
    <p>Mulund College Of Commerce</p>

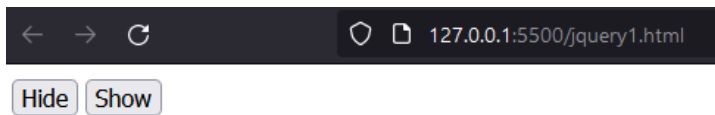
    <button id="b1">Hide</button>
    <button id="b2">Show</button>
  </body>
</html>
```

Output:

After clicking Show Button



After Clicking Hide Button



II. Write a JQuery to create a simple toggle effect.

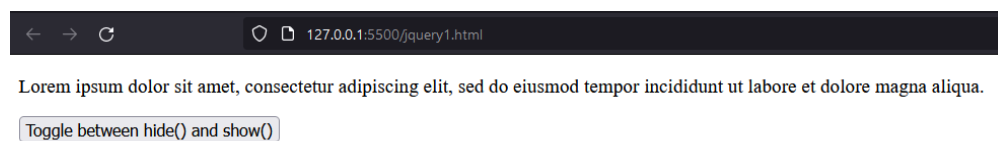
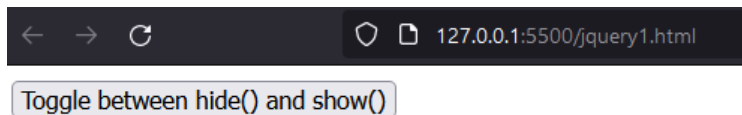
Code:

```
<!DOCTYPE html>

<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function () {
        $("button").click(function () {
          $("p").toggle();
        });
      });
    </script>
  </head>
  <body>
    <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do
    eiusmod tempor incididunt ut labore et dolore magna aliqua.</p>

    <button>Toggle between hide() and show()</button>
  </body>
</html>
```

Output:



Practical 7.c)

Aim: jQuery fading effects, jQuery Sliding effects

- I. Write a JQuery to create fade-in and fade-out effect.

Code:

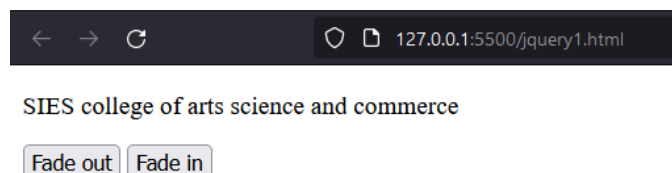
```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

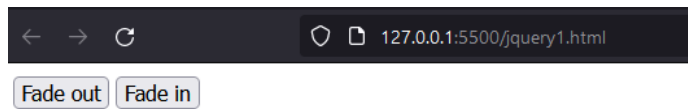
    <script>
      $(document).ready(function () {
        $(".btn1").click(function () {
          $("p").fadeOut();
        });

        $(".btn2").click(function () {
          $("p").fadeIn();
        });
      });
    </script>
  </head>
  <body>
    <p>SIES college of arts science and commerce</p>

    <button class="btn1">Fade out</button>
    <button class="btn2">Fade in</button>
  </body>
</html>
```

Output:



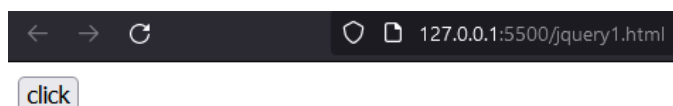


II. Write a JQuery to Create fade toggle effect.

Code:

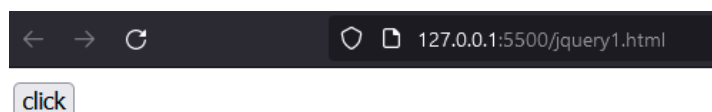
```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function () {
        $(".toggle-btn").click(function () {
          $("p").fadeToggle();
        });
      });
    </script>
  </head>
  <body>
    <button type="button" class="toggle-btn">click</button>
    <p>This is a paragraph.</p>
    <p>This is another paragraph.</p>
  </body>
</html>
```

Output:



This is a paragraph.

This is another paragraph.



III. Write a JQuery to Create slide-up and slide-down effect.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>
    <script>
      $(document).ready(function () {
        $(".up-btn").click(function () {
          $("p").slideUp();
        });
        $(".down-btn").click(function () {
          $("p").slideDown();
        });
      });
    </script>
  </head>
  <body>
    <button type="button" class="up-btn">Slide Up Paragraphs</button>
    <button type="button" class="down-btn">Slide Down
Paragraphs</button>
    <p>This is a paragraph.</p>
    <p>This is another paragraph.</p>
  </body>
</html>
```

Output:

Slide Down effect

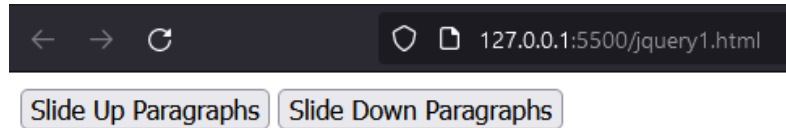


Slide Up Paragraphs Slide Down Paragraphs

This is a paragraph.

This is another paragraph.

Slide Up effect



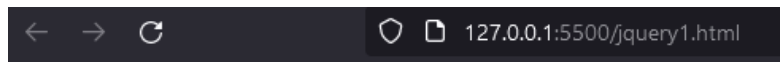
IV. Write a JQuery to Create slide toggle effect.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $(".toggle-btn").click(function () {
          $("p").slideToggle();
        });
      });
    </script>
  </head>
  <body>
    <button type="button" class="toggle-btn">Slide Toggle
Paragraphs</button>
    <p>This is a paragraph.</p>
    <p>This is another paragraph.</p>
  </body>
</html>
```

Output:



Slide Toggle Paragraphs

This is a paragraph.

This is another paragraph.



Slide Toggle Paragraphs

Practical 8 – jQuery Advanced

Practical 8.a)

Aim: jQuery Animation effects, jQuery Chaining.

I. Write a JQuery Create animation effect.

Code:

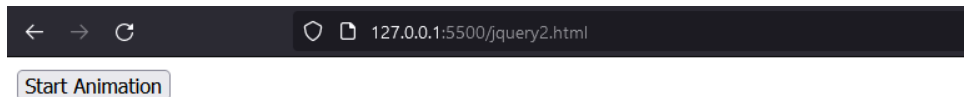
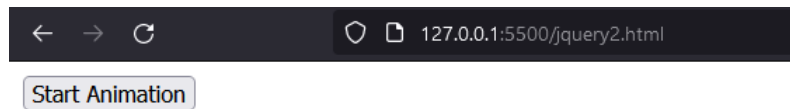
```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <style>
      img {
        position: relative; /* Required to move element */
      }
    </style>

    <script>
      $(document).ready(function () {
        $("button").click(function () {
          $("img").animate({ left: 300 });
        });
      });
    </script>
  </head>
  <body>
    <button>Start Animation</button><br />

    
  </body>
</html>
```

Output:



II. Write a JQuery to animate multiple CSS properties.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <style type="text/css">
      .box {
        width: 100px;
```

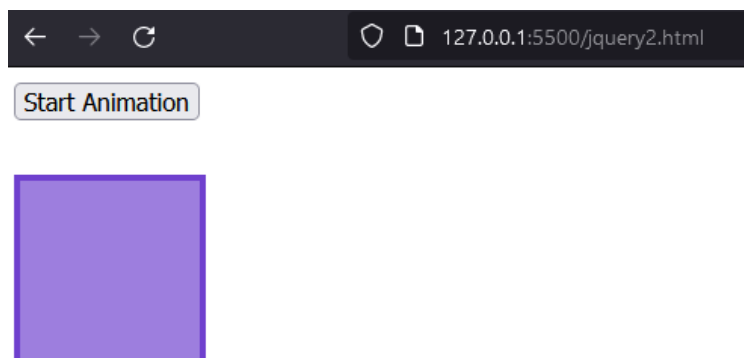
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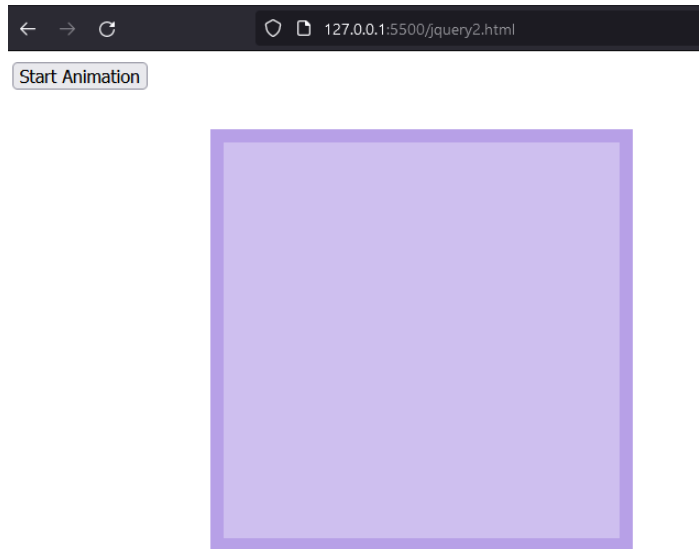
```

        height: 100px;
        background: #9d7ede;
        margin-top: 30px;
        border-style: solid;
        border-color: #6f40ce;
    }
</style>
<script>
    $(document).ready(function () {
        $("button").click(function () {
            $(".box").animate({
                width: "300px",
                height: "300px",
                marginLeft: "150px",
                borderWidth: "10px",
                opacity: 0.5,
            });
        });
    });
</script>
</head>
<body>
    <button type="button">Start Animation</button>
    <div class="box"></div>
</body>
</html>

```

Output:





III. Write a JQuery to perform Method chaining.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $("button").click(function () {
          $("#p1").css("color", "red").slideUp(2000).slideDown(2000);
        });
      });
    </script>
  </head>
  <body>
    <p id="p1">Welcome in jQuery!!</p>
    <button>Click me</button>
  </body>
</html>
```

Output:



Welcome in jQuery!!

Click me

Practical 8.b)

Aim: jQuery Callback, jQuery Get and Set Contents.

I. Write a JQuery effect method with a callback function.

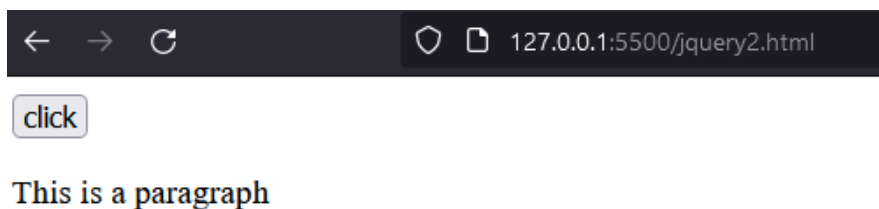
Code:

```
<!DOCTYPE html>

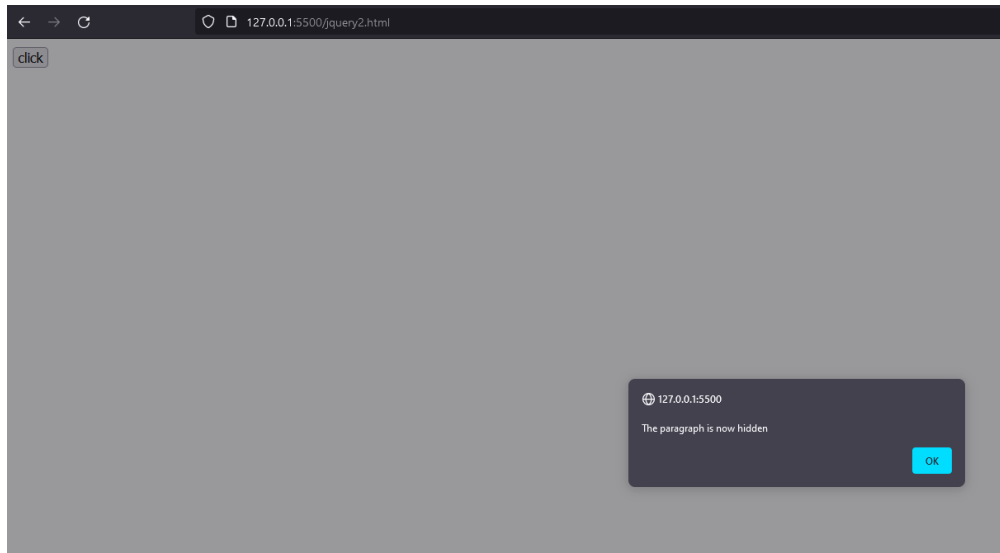
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $("button").click(function () {
          $("p").hide("slow", function () {
            alert("The paragraph is now hidden");
          });
        });
      });
    </script>
  </head>
  <body>
    <button>click</button>
    <p>This is a paragraph</p>
  </body>
</html>
```

Output:



After Clicking button



II. Write a JQuery to get and set text contents of the elements.

Code:

```
<!DOCTYPE html>

<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $(".b1").click(function () {
          var str = $("p").text();
          alert(str);
        });

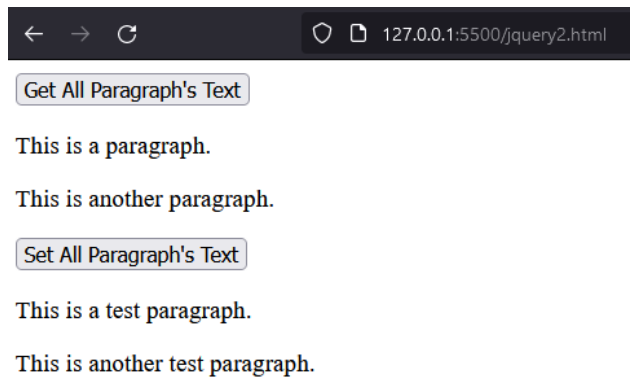
        $(".b2").click(function () {
          $("p").text("This is demo text.");
        });
      });
    </script>
  </head>
  <body>
    <button class="b1">Get All Paragraph's Text</button>
    <p>This is a paragraph.</p>
    <p>This is another paragraph.</p>

    <button class="b2">Set All Paragraph's Text</button>
    <p>This is a test paragraph.</p>
```

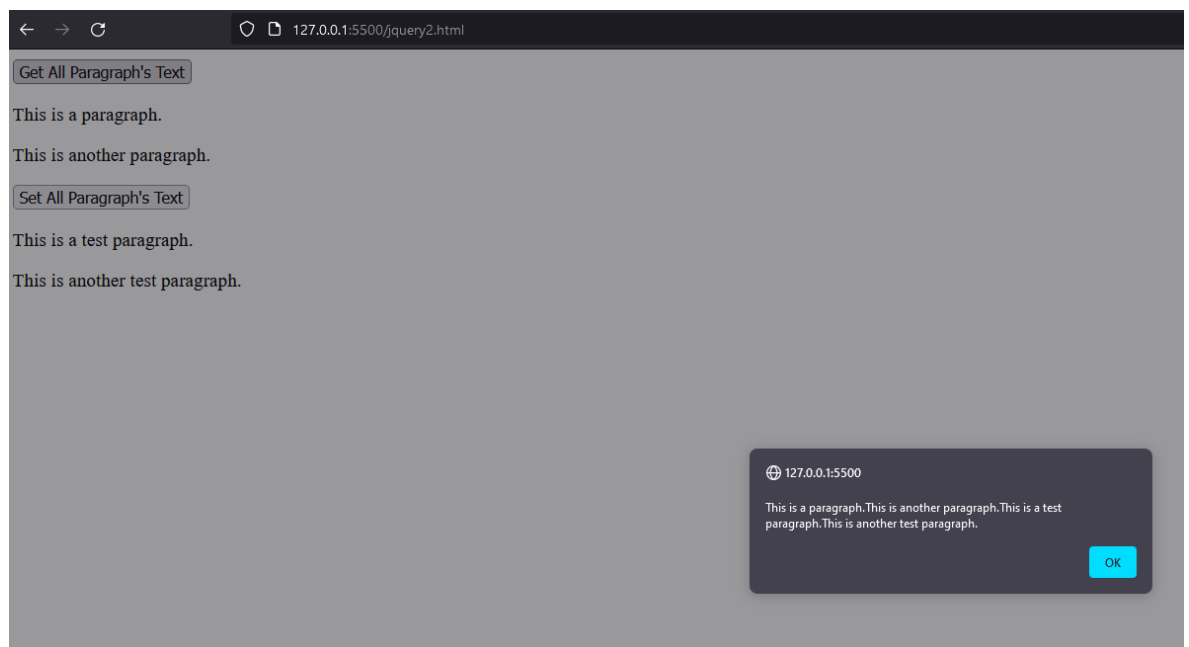
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```
<p>This is another test paragraph.</p>
</body>
</html>
```

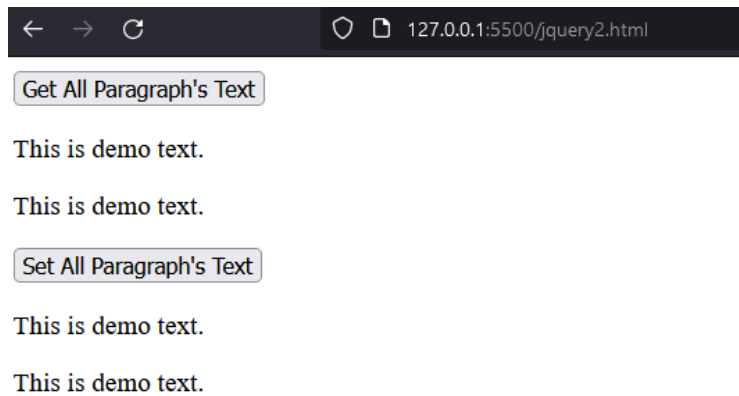
Output:



Clicking Get all paragraph's text



Clicking Set all paragraph's text



III. Write a JQuery to get and set HTML contents of the elements.

Code:

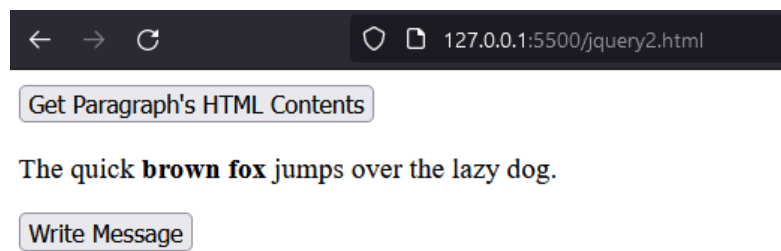
```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $(".b1").click(function () {
          var str = $("p").html();
          alert(str);
        });

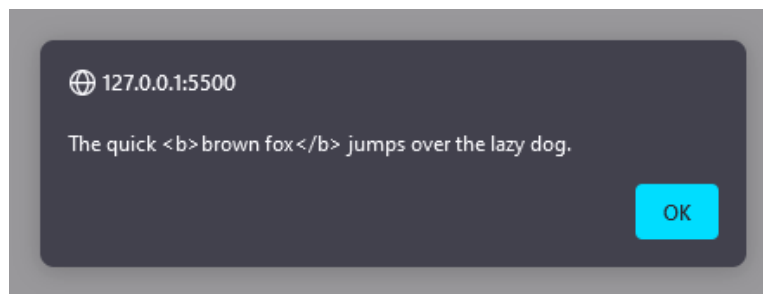
        $(".b2").click(function () {
          $("body").html("<p>Hello World!</p>");
        });
      });
    </script>
  </head>
  <body>
    <button class="b1">Get Paragraph's HTML Contents</button>
    <p>The quick <b>brown fox</b> jumps over the lazy dog.</p>

    <button class="b2">Write Message</button>
  </body>
</html>
```

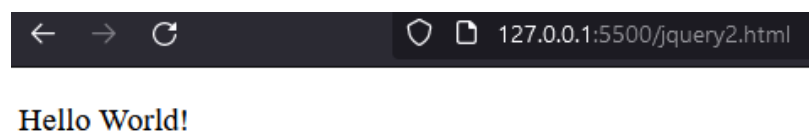
Output:



Clicking Get paragraph's HTML content



Clicking Write message



IV. Write a JQuery to get and set value of attribute of an element.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $(".b1").click(function () {
          var str = $(".img#jquery").attr("alt");
          alert(str);
        });

        $(".b2").click(function () {
```

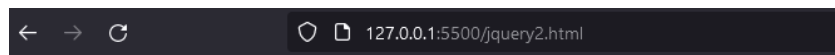
```

        $('input[type="checkbox"]').attr("checked", "checked");
    });
});
</script>
</head>
<body>
    <button class="b1">Get Link's HREF Attribute</button>
    <br /><br />

    <p><input type="checkbox" />I agree with terms and conditions.</p>
    <button class="b2">Check</button>
</body>
</html>

```

Output:

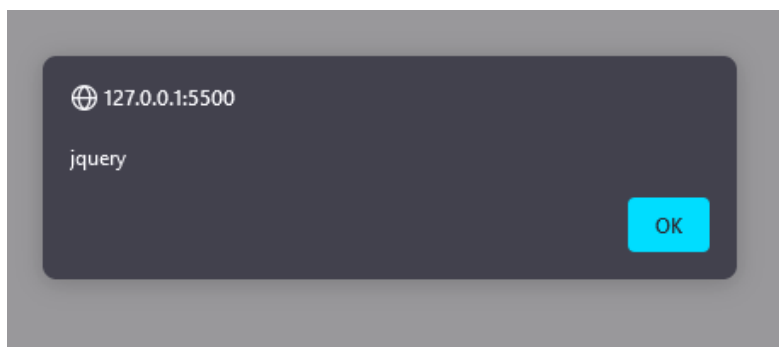


Get Link's HREF Attribute

☒ I agree with terms and conditions.

Check

Clicking Get link's HREF attribute



Practical 8.c)

Aim: jQuery Insert Content, jQuery Remove Elements and Attribute.

- I. Write a JQuery to insert HTML elements at the beginning and end of the elements.

Code:

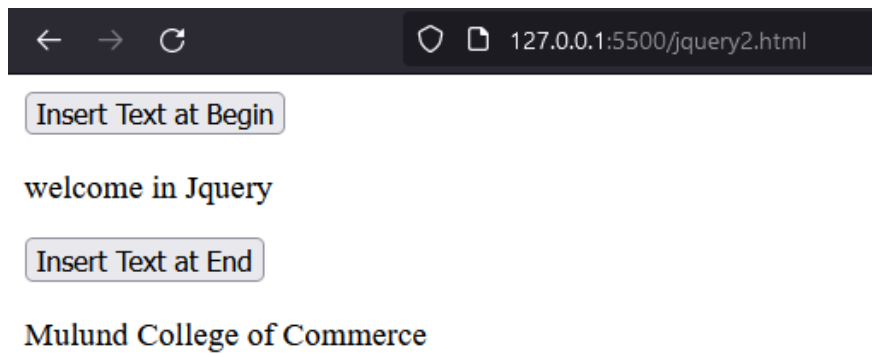
```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $(".b1").click(function () {
          $("p").prepend("<strong>Note:</strong> ");
        });

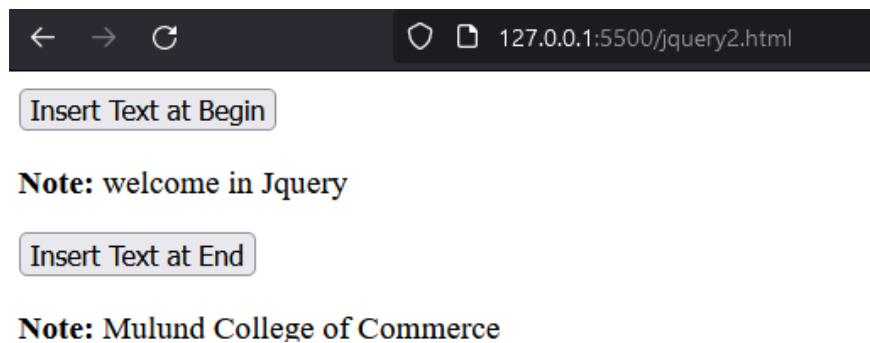
        $(".b2").click(function () {
          $("#container").append("This is demo text.");
        });
      });
    </script>
  </head>
  <body>
    <button class="b1">Insert Text at Begin</button>
    <p>welcome in JQuery</p>

    <button class="b2">Insert Text at End</button>
    <div id="container">
      <p>Mulund College of Commerce</p>
    </div>
  </body>
</html>
```

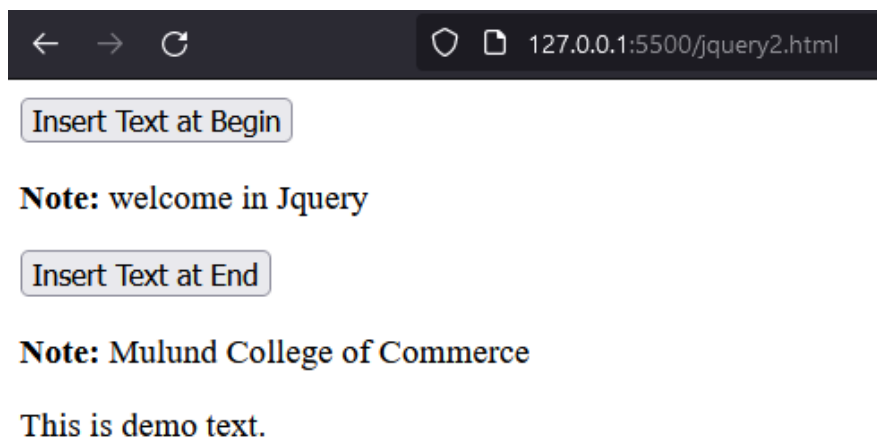
Output:



Insert Text at begin



Insert text at end



- II. Write a JQuery to insert multiple HTML elements at the beginning and end of the elements.

Code:

```
<!DOCTYPE html>  
<html>
```

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```

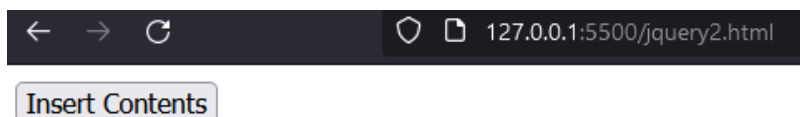
<head>
  <title></title>
  <script src="jquery.js"></script>

  <script>
    $(document).ready(function () {
      $(".b1").click(function () {
        var newHeading = "<h1>Important Note:</h1>";
        var newParagraph = document.createElement("p");
        newParagraph.innerHTML = "<em>hello world</em>";

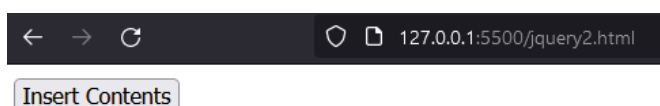
        $("body").append(newHeading, newParagraph);
      });
    });
  </script>
</head>
<body>
  <button class="b1">Insert Contents</button>
  <p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>
</body>
</html>

```

Output:



Lorem ipsum dolor sit amet, consectetur adipiscing elit.



Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Important Note:

hello world

III. Write a JQuery to insert multiple HTML elements before and after the elements.

Code:

```

<!DOCTYPE html>
<html>
  <head>
    <title></title>

```

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```

<script src="jquery.js"></script>

<script>
$(document).ready(function () {
    $(".b1").click(function () {
        var newHeading = "<h1>Important Note:</h1>";
        var newParagraph = document.createElement("p");
        newParagraph.innerHTML = "<em>Lorem Ipsum is dummy
text...</em>";

        $(".p").before(newHeading, newParagraph);
    });

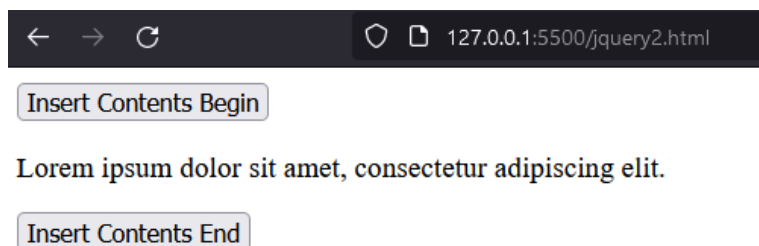
    $(".b2").click(function () {
        var newHeading = "<h1>Important Note:</h1>";
        var newParagraph = document.createElement("p");
        newParagraph.innerHTML = "<em>Lorem Ipsum is dummy
text...</em>";

        $(".body").append(newHeading, newParagraph);
    });
});
</script>
</head>
<body>
<button class="b1">Insert Contents Begin</button>
<p>Lorem ipsum dolor sit amet, consectetur adipiscing elit.</p>

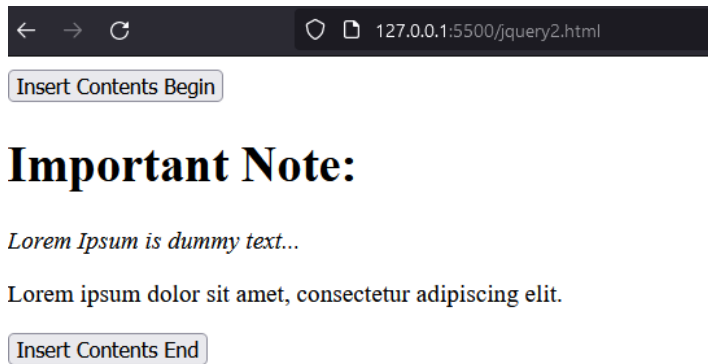
<button class="b2">Insert Contents End</button>
</body>
</html>

```

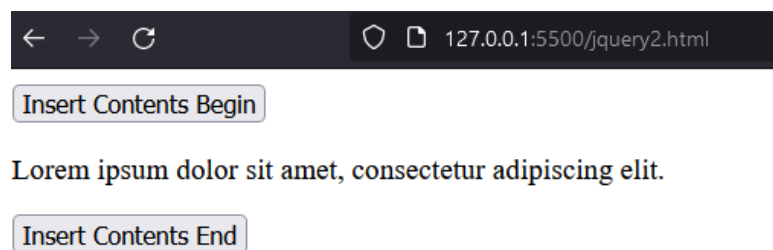
Output:



Insert at beginning



Insert at end



Important Note:

Lorem Ipsum is dummy text...

IV. Write a JQuery to remove the contents of the elements.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $(".btn").click(function () {
          $("#div#demo").remove();
        });
      });
    </script>
  </head>
  <body>
    <div id="demo">
```

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```

        <p>Inside Div Element</p>
    </div>
    <p>Outside Div element</p>
    <button class="btn">Hide the elements inside div</button>
</body>
</html>

```

Output:



Inside Div Element

Outside Div element

Hide the elements inside div



Outside Div element

Hide the elements inside div

- V. Write a JQuery to remove the parent element of an HTML element from the page.

Code:

```

<!DOCTYPE html>
<html>
    <head>
        <title></title>
        <script src="jquery.js"></script>

        <script>
            $(document).ready(function () {
                $("button").click(function () {
                    $("p").unwrap();
                });
            });
        </script>
        <style>
            div {

```

```

        background-color: yellow;
    }
    article {
        background-color: pink;
    }
</style>
</head>

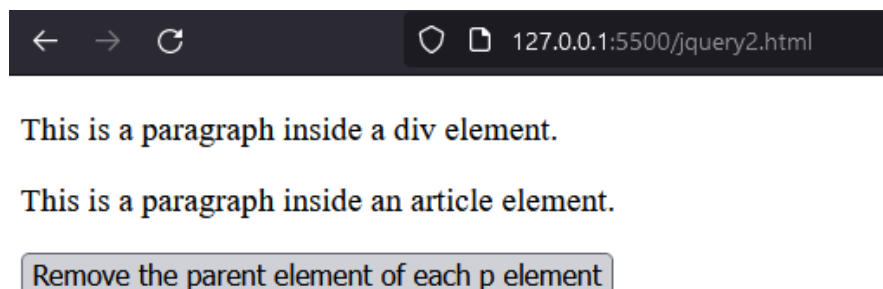
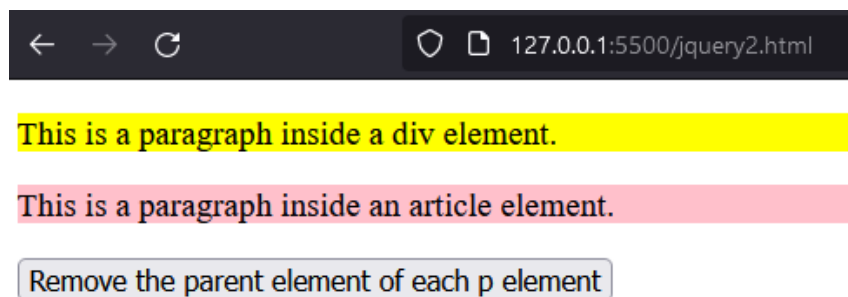
<body>
    <div>
        <p>This is a paragraph inside a div element.</p>
    </div>

    <article>
        <p>This is a paragraph inside an article element.</p>
    </article>

    <button>Remove the parent element of each p element</button>
</body>
</html>

```

Output:



VI. Write a JQuery to remove an attribute from the HTML elements.

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Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $("button").click(function () {
          $("p").removeAttr("style");
        });
      });
    </script>

    <style>
      div {
        background-color: yellow;
      }
      article {
        background-color: pink;
      }
    </style>
  </head>
  <body>
    <h1>This is a heading</h1>
    <p style="font-size: 120%; color: red">This is a paragraph.</p>
    <p style="font-weight: bold; color: blue">This is another
paragraph.</p>
    <button>Remove the style attribute from all p elements</button>
  </body>
</html>
```

Output:



This is a heading

This is a paragraph.

This is another paragraph.

Remove the style attribute from all p elements



This is a heading

This is a paragraph.

This is another paragraph.

Remove the style attribute from all p elements

VII. Write a JQuery to add and remove CSS classes from the HTML elements.

Code:

```
<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $("button").click(function () {
          $("p").removeClass("intro");
        });
      });
    </script>

    <style>
      .intro {
        font-size: 120%;
        color: red;
      }
    </style>
```

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```

</head>
<body>
  <h1>This is a heading</h1>
  <p class="intro">This is a paragraph.</p>
  <p class="intro">This is another paragraph.</p>

  <button>Remove the "intro" class from all p elements</button>
</body>
</html>

```

Output:



This is a heading

This is a paragraph.

This is another paragraph.

Remove the "intro" class from all p elements



This is a heading

This is a paragraph.

This is another paragraph.

Remove the "intro" class from all p elements

VIII. Write a JQuery to set the duration in slide toggle effect.

Code:

```

<!DOCTYPE html>
<html>
  <head>
    <title></title>
    <script src="jquery.js"></script>

    <script>
      $(document).ready(function () {
        $(".b1").click(function () {
          $(".box").slideToggle();

```

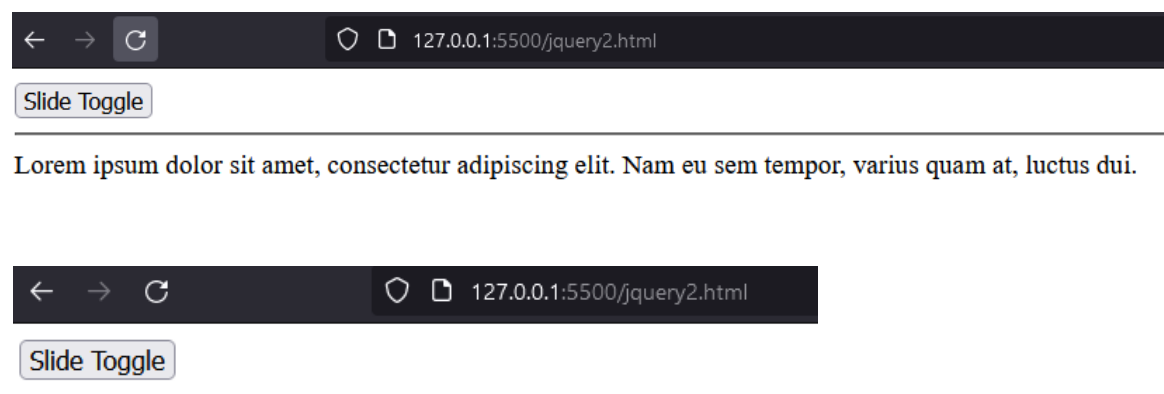
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```

        });
    });
</script>
</head>
<body>
    <button type="button" class="b1">Slide Toggle</button>
    <hr />
    <div class="box">
        <div class="box-inner">
            Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam eu
sem
            tempor, varius quam at, luctus dui.
        </div>
    </div>
</body>
</html>

```

Output:



IX. Write a JQuery to remove the HTML elements from the page.

Code:

```

<!DOCTYPE html>
<html>
    <head>
        <title></title>
        <script src="jquery.js"></script>

        <script>
            $(document).ready(function () {
                $("button").click(function () {
                    $("#div1").remove();
                });
            });
        </script>
    </head>
    <body>
        <div id="div1">
            Lorem ipsum dolor sit amet, consectetur adipiscing elit. Nam eu
            sem tempor, varius quam at, luctus dui.
        </div>
    </body>
</html>

```

```

    </script>
</head>
<body>
  <div
    id="div1"
    style="
      height: 100px;
      width: 300px;
      border: 1px solid black;
      background-color: #bcf0f5;
    "
  >
    This is some text in the div.
    <p>This is a paragraph in the div.</p>
    <p>This is another paragraph in the div.</p>
  </div>
  <br />
  <button>Remove div element</button>
</body>
</html>

```

Output:

