

# JQuery assignment

## 01: What is jQuery?

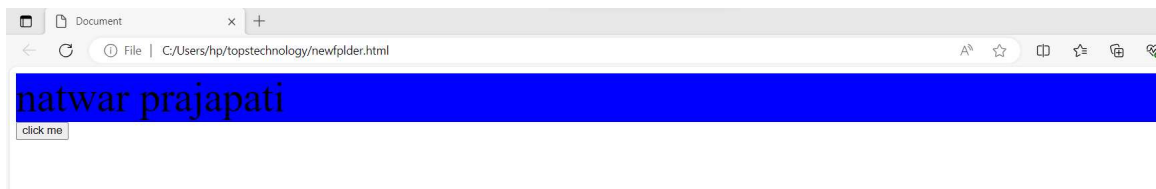
**ans:**jQuery is a powerful and widely used JavaScript library that simplifies web development. It provides a lot of useful functions and features that make it easier to work with HTML, CSS, and JavaScript. It helps developers write less code and achieve more functionality in their web applications. jQuery allows you to easily select and manipulate HTML elements, handle events, create animations, make AJAX requests, and much more. It's a great tool for enhancing the interactivity and user experience of your website.

## 02:How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation?

**ans:**To apply CSS using jQuery, you can use the ``css()`` method. Here's an example:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
</head>
<body>
  <div>natwar prajapati</div>
  <button>click me</button>
  <script>
    $(document).ready(function () {
      $("button").click(function () {
        $("div").css({"background-color":"blue", "font-size":"50px"})
      })
    })
  </script>
</body>
</html>
```

output after click:



## JQuery Add Class

The `addClass()` method adds one or more class names to the selected elements.

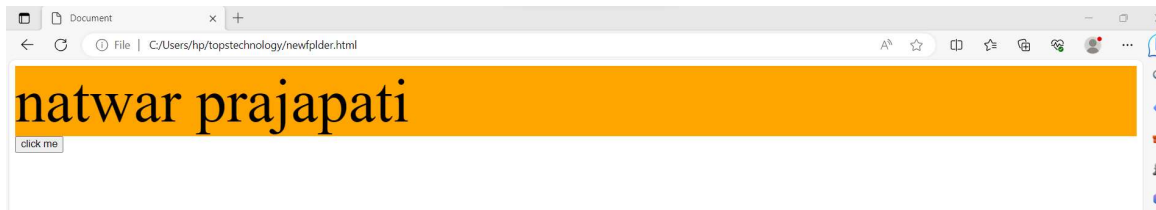
This method does not remove existing class attributes, it only adds one or more

class names to the class attribute.

Example :

```
<title>Document</title>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script>
    $(document).ready(function () {
        $("button").click(function () {
            $("div").addClass("one")
        })
    })
</script>
<style>
    .one{
        background-color: orange;
        font-size: 80px;
    }
</style>
</head>
<body>
    <div>natwar prajapati</div>
    <button>click me</button>
</body>
</html>
```

output after click:



## jQuery removeClass() Method

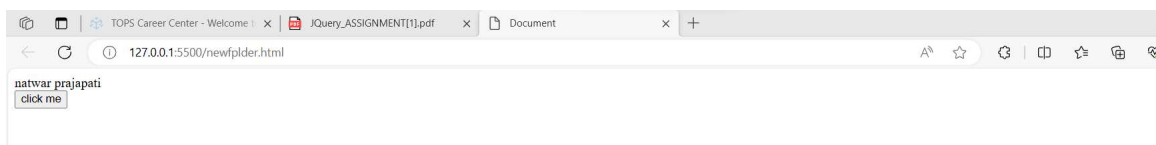
The removeClass() method removes one or more class names from the selected

elements.

Example :

```
<title>Document</title>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<script>
    $(document).ready(function () {
        $("button").click(function () {
            $("div").removeClass("one")
        })
    })
</script>
<style>
    .one{
        background-color: orange;
        font-size: 80px;
    }
</style>
</head>
<body>
    <div class="one">natwar prajapati</div>
    <button>click me</button>
</body>
</html>
```

output after click:



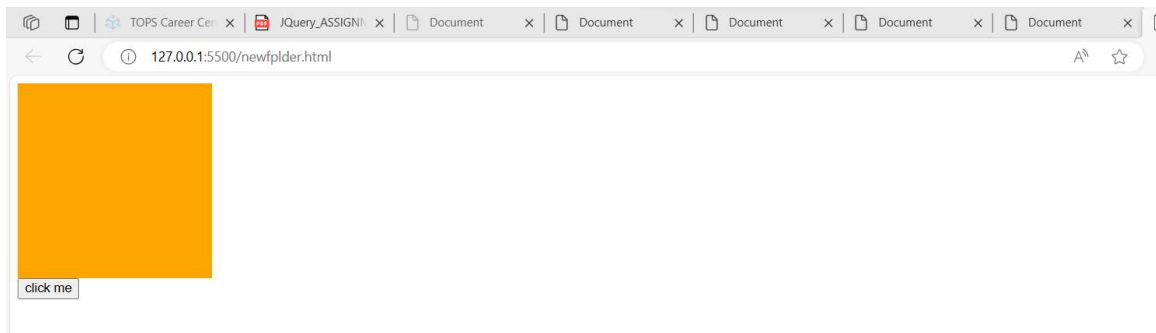
## jquery animation

```

<title>Document</title>
<script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
<style>
  div{
    height: 100px;
    width: 100px;
    background-color: orange;
    position: relative;
  }
</style>
</head>
<body>
<div></div>
<button>click me</button>
<script>
  $(document).ready(function () {
    $("button").click(function () {
      $("div").animate({left:"200px","height":"200px","width":"200px"})
    })
  })
</script>
</body>
</html>

```

output after click:



### 3. How to create slider with animation?

jQuery has the following slide methods:

- 1.slideDown()
- 2.slideUp()
- 3.slideToggle()

example :

1 slide down:

```

<script>
$(document).ready(function(){
    $("#flip").click(function(){
        $("#panel").slideDown("slow");
    });
});
</script>
<style>
#panel, #flip {
    padding: 5px;
    text-align: center;
    background-color: skyblue;
    border: solid 1px black;
}

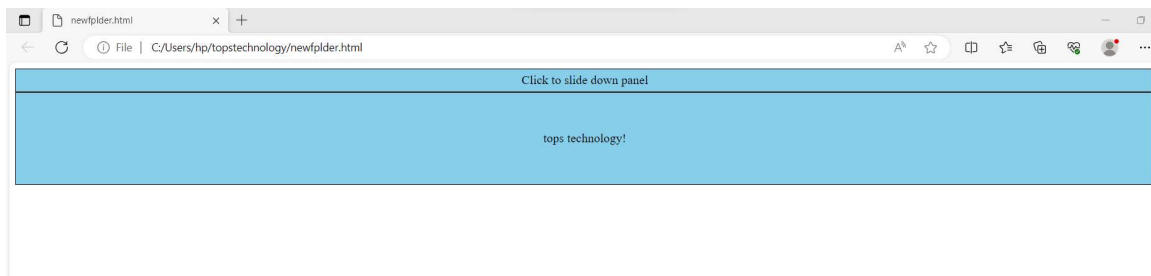
#panel {
    padding: 50px;
    display: none;
}
</style>
</head>
<body>

<div id="flip">Click to slide down panel</div>
<div id="panel">tops technology!</div>

</body>
</html>

```

output after click:



2.slide up:

```

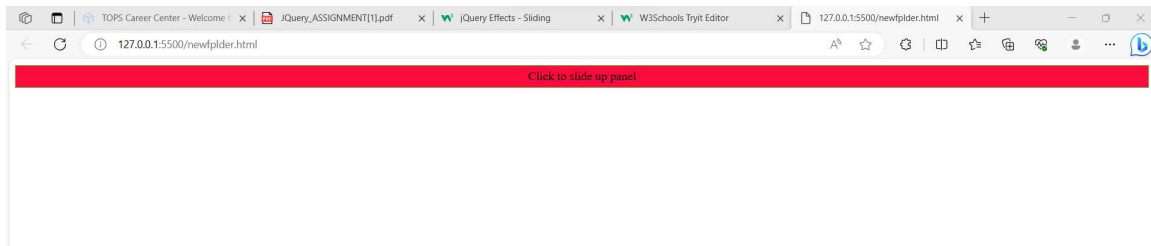
<script>
$(document).ready(function(){
    $("#flip").click(function(){
        $("#panel").slideUp("slow");
    });
});
</script>
<style>
#panel, #flip {
    padding: 5px;
    text-align: center;
    background-color: #fc0b3f;
    border: solid 1px #44eb52;
}

#panel {
    padding: 50px;
}
</style>
</head>
<body>

<div id="flip">Click to slide up panel</div>
<div id="panel">tops technology</div>
</body>
</html>

```

output:



3. slide toggle:

```

<script>
$(document).ready(function(){
  $("#flip").click(function(){
    $("#panel").slideToggle("slow");
  });
});
</script>
<style>
#panel, #flip {
  padding: 5px;
  text-align: center;
  background-color: #f7dc11;
  border: solid 1px #5c16f2;
}
#panel {
  padding: 50px;
  display: none;
}
</style>
</head>
<body>

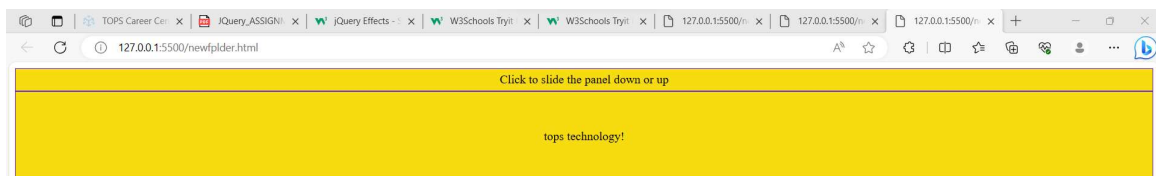
<div id="flip">Click to slide the panel down or up</div>
<div id="panel">tops technology!</div>

</body>
</html>

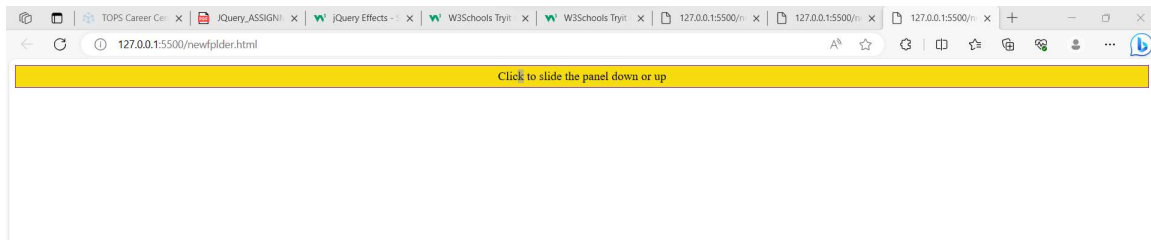
```

output:

one time click:



second click:



#### 4. Event bubbling tickling example:

```

<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>Document</title>
  <script src="https://cdnjs.cloudflare.com/ajax/libs/jquery/3.7.1/jquery.min.js"></script>
  <script>
    $(document).ready(function () {
      $("span").offsetParent("div").css({ "border": "2px solid red"})
    })
  </script>
  <style>
    body * {
      border: 2px solid red;
      padding: 20px;
      display: inline-block;
    }
    span {
      border : 2px solid grey
    }
  </style>
</head>
<body>
  <div> body Gret Gret Grandparent <br>
  <div> div gret grandparent <br>
    <ul> ul grandparent <br>
      <li> li direct parent <br>
        <span>span</span>
      </li>
    </ul>
  </div>
</div>
</body>
</html>

```

output:



