1.How to Apply CSS Using JQuery, How to Add Class and Remove Class in JQuery, JQuery Animation?

ans. apply css using JQuery: the css() method sets or return one or more style properties for the selected elements.

to return the value of a specified css propery.
exa. css("propertyname");
        $("p").css("background-color","yellow");

how to add class and remove class in jQuery

```
1    <!DOCTYPE html>
2  ∨ <html lang="en">
3  ∨ <head>
4        <meta charset="UTF-8">
5        <meta http-equiv="X-UA-Compatible" content="IE=edge">
6        <meta name="viewport" content="width=device-width, initial-scale=1.0">
7        <title>Document</title>
8        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.
         js"></script>
9  ∨      <script>
10 ∨          $(Document).ready(function()
11           {
12 ∨              $("button").click(function()
13               {
14                   $("p:first").addClass("intro");
15               })
16           })
17        </script>
18 ∨      <style>
19           .intro
20 ∨          {
21               color: ■red;
22               font-size: 30px;
23           }
24        </style>
25    </head>
26 ∨ <body>
27        <p>this is paragraph</p>
28        <p>this is another paragraph</p>
29        <button>add class</button>
30    </body>
31    </html>
```

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by the same method you can remove class in Jquery.

Jquery animation
hide element example:

```html
3    <head>
4        <meta charset="UTF-8">
5        <meta http-equiv="X-UA-Compatible" content="IE=edge">
6        <meta name="viewport" content="width=device-width, initial-scale=1.0">
7        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.
         js"></script>
8        <title>Document</title>
9        <script>
10           $(Document).ready(function()
11           {
12           $("button").click(function()
13           {
14               $("h1").hide(2000);
15           })
16           })
17       </script>
18   </head>
19   <body>
20       <h1>hello world</h1>
21       <h1>hello world</h1>
22       <h1>hello world</h1>
23       <h1>hello world</h1>
24       <h1>hello world</h1>
25       <button>element hide</button>
26   </body>
27   </html>
```

hide and show

```html
 3  ∨ <head>
 4      <meta charset="UTF-8">
 5      <meta http-equiv="X-UA-Compatible" content="IE=edge">
 6      <meta name="viewport" content="width=device-width, initial-scale=1.0">
 7      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.js"
 8      <title>Document</title>
 9  ∨  <script>
10  ∨      $(Document).ready(function()
11          {
12  ∨      $(".hide").click(function()
13          {
14              $("h1").hide(1000);
15          })
16  ∨      $(".show").click(function()
17          {
18              $("h1").show(1000);
19          })
20          })
21      </script>
22  </head>
23  ∨ <body>
24      <h1>hello world</h1>
25      <h1>hello world</h1>
26      <h1>hello world</h1>
27      <h1>hello world</h1>
28      <h1>hello world</h1>
29      <button class="hide">element hide</button>
30      <button class="show">show</button>
31  </body>
32  </html>
```

fade in and fade out

```
 7      <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.
        js"></script>
 8      <title>Document</title>
 9      <style>
10          div
11          {
12              height: 150px;
13              width: 150px;
14              background-color: □black;
15          }
16      </style>
17  </head>
18  <body>
19      <div></div>
20      <button class="b1">fade out</button>
21      <button class="b2">fade in</button>
22      <script>
23          $(Document).ready(function()
24          {
25              $(".b1").click(function()
26              {
27                  $("div").fadeOut();
28              })
29              $(".b2").click(function()
30              {
31                  $("div").fadeIn();
32              })
33
34          })
35      </script>
36  </body>
37  </html>
```

toggle

```
1    <!DOCTYPE html>
2    <html lang="en">
3    <head>
4        <meta charset="UTF-8">
5        <meta http-equiv="X-UA-Compatible" content="IE=edge">
6        <meta name="viewport" content="width=device-width, initial-scale=1.0">
7        <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.
     js"></script>
8        <title>Document</title>
9        <style>
10           div
11           {
12               height: 150px;
13               width: 150px;
14               background-color: ■brown;
15           }
16       </style>
17   </head>
18   <body>
19       <div></div>
20       <button>toggle</button>
21       <script>
22           $(Document).ready(function()
23           {
24               $("button").click(function()
25               {
26                   $("div").toggle(1000);
27               })
28           })
29       </script>
30   </body>
31   </html>
```

2. how to create slider with animation?

ans. you can make slider using three types

1.slidedown()

2.slideup()

3.slidetoggle()

slidedown() and slideup()

```
 6          <meta name="viewport" content="width=device-width, initial-scale=1.0">
 7          <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.
            js"></script>
 8          <title>Document</title>
 9          <style>
10              div
11              {
12                  width: 150px;
13                  height: 150px;
14                  background-color: ■cornflowerblue;
15              }
16          </style>
17      </head>
18      <body>
19          <div></div>
20          <button class="up">slideup</button>
21          <button class="down">slidedown</button>
22          <script>
23              $(Document).ready(function()
24              {
25                  $(".up").click(function()
26                  {
27                      $("div").slideUp();
28                  })
29                  $(".down").click(function()
30                  {
31                      $("div").slideDown();
32                  })
33              })
34          </script>
35      </body>
36  </html>
```

slidetoggle()

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.1/jquery.min.js"></script>
    <title>Document</title>
    <style>
        div
        {
            height: 150px;
            width: 150px;
            background-color: brown;
        }
    </style>
</head>
<body>
    <div></div>
    <button>toggle</button>
    <script>
        $(Document).ready(function()
        {
            $("button").click(function()
            {
                $("div").slideToggle(1000);
            })
        })
    </script>
</body>
</html>
```