

1. What is jQuery

A. jQuery is a small, light-weight and fast JavaScript library. It is cross-platform and supports different types of browsers. It is also referred as write less do more? because it takes a lot of common tasks that requires many lines of JavaScript code to accomplish, and binds them into methods that can be called with a single line of code whenever needed. It is also very useful to simplify a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

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

- A.**
- 1. AddClass() – Adds one more classes to the selected elements.**
 - 2. removeClass() - Removes one or more classes from the selected elements.**
 - 3. toggleClass() – Toggles between adding/removing classes from The selected elements.**
 - 4. css() – sets or returns the style attribute.**

```
        text-shadow: 2px 2px 4px #880a0a;
        letter-spacing: 2px;
    }
</style>
</head>

<body>

    <h2>Spider.</h2>

    <button id="btn"> Click</button>

</body>

<script>
    $(document).ready(function () {
        $("#btn").click(function () {
            $("h2").addClass("add", 2000, myCallback);
        });
        function myCallback() {
            setTimeout(function () {
                $("h2").removeClass("add");
            }, 3000);
        }
    });
</script>

</html>
```

3. How to create slider with animation?

A.



```
<div class="slider">
  
  
  
</div>

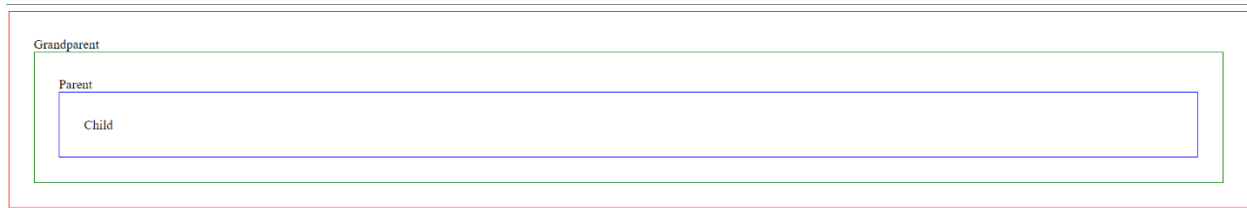
<script>
  $(document).ready(function () {
    var $slider = $('.slider');
    var $slides = $slider.find('img');
    var currentSlide = 0;

    function showSlide(index) {
      $slides.eq(index).css('opacity', 1);
      $slides.not(':eq(' + index + ')').css('opacity', 0);
    }

    function nextSlide() {
      currentSlide = (currentSlide + 1) % $slides.length;
      showSlide(currentSlide);
    }

    setInterval(nextSlide, 3000); // Change slide every 3 seconds
  });
</script>
```

4. Event bubbling tickling example



```
<body>
  <div id="grandparent" style="border: 1px solid red; padding: 30px;">
    Grandparent
    <div id="parent" style="border: 1px solid green; padding: 30px;">
      Parent
      <div id="child" style="border: 1px solid blue; padding: 30px;">
        Child
      </div>
    </div>
  </div>
</div>
```

```
<script>
  $(document).ready(function () {
    $("#grandparent").on("click", function () {
      alert("Grandparent clicked");
    });

    $("#parent").on("click", function () {
      alert("Parent clicked");
    });

    $("#child").on("click", function () {
      alert("Child clicked");
    });
    $("#child").on("click", function (event) {
      alert("Child clicked");
      event.stopPropagation();
    });
  });
</script>
```