JQUERY Assignment

1)What is JQuery?

jQuery is a fast, small, and feature-rich JavaScript library. It makes things like HTML document traversal and manipulation, event handling, animation, and Ajax much simpler with an easy-to-use API that works across a multitude of browsers. With a combination of versatility and extensibility, jQuery has changed the way that millions of people write JavaScript.

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

addClass() - Adds one or more classes to the selected elements
removeClass() - Removes one or more classes from the selected elements

```
$("#clickme").click(function () {
    $("#book").animate({
        opacity: 0.25,
        left: "+=50",
        height: "toggle"
    }, 5000, function () {
        // Animation complete.
    });
});
```

3)How to create slider with animation?

With jQuery you can create a sliding effect on elements. jQuery has the following slide methods: slideDown() slideUp()

```
var slideIndex = 1;
  displaySlide(slideIndex);

  function moveSlides(n) {
      displaySlide(slideIndex += n);
  }

  function activeSlide(n) {
      displaySlide(slideIndex = n);
  }

  /* Main function */
  function displaySlide(n) {
      var i;
      var totalslides =
          document.getElementsByClassName("slide");
      var totaldots =
          document.getElementsByClassName("footerdot");

      if (n > totalslides.length) {
          slideIndex = 1;
      }

      if (n < 1) {
          slideIndex = totalslides.length;
      }
      for (i = 0; i < totalslides.length; i++) {
          totalslides[i].style.display = "none";
      }
      for (i = 0; i < totaldots.length; i++) {
          totaldots[i].className =
          totaldots[i].className.replace(" active", "");
      }
      totalslides[slideIndex - 1].style.display = "block";
      totaldots[slideIndex - 1].className += " active";
  }
```