<p align="center">**Experiment:5**</p>

Aim:

Design a web page using jQuery to demonstrate

i. Hide, show, fading and sliding effects.

ii. Keyboard, mouse and form events

Source code for Hide, show, fading and sliding effects:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title>jQuery Effects</title>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>
  <script>
    $(document).ready(function() {
      // Hide button
      $("#a1").click(function() {
        $("img").hide(1000);
      });


      // Show button
      $("#a2").click(function() {
        $("img").show("slow");
      });


      // Toggle button
      $("#a3").click(function() {
        $("img").toggle("fast");
      });


      // FadeOut button
```

```javascript
$("#b1").click(function() {

    $("img").fadeOut(1000);

});


// FadeIn button

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

    $("img").fadeIn("slow");

});


// FadeTo button

$("#b3").click(function() {

    $("img").fadeTo("slow", 0.5);  // Fading to 50% opacity

});


// FadeToggle button

$("#bu").click(function() {

    $("img").fadeToggle("fast");

});


// SlideUp button

$("#c1").click(function() {

    $("img").slideUp(1000);

});


// SlideToggle button

$("#c2").click(function() {

    $("img").slideToggle("fast");

});


// SlideDown button

$("#c3").click(function() {
```

```html
                $("img").slideDown("slow");
            });
        });
    </script>
</head>
<body>
    <img src="car.jpeg" alt="Car Image" />


    <!-- Buttons for Hide/Show/Toggle -->
    <button id="a1">Hide</button>
    <button id="a2">Show</button>
    <button id="a3">Toggle</button>


    <!-- Buttons for Fade effects -->
    <button id="b1">Fade Out</button>
    <button id="b2">Fade In</button>
    <button id="b3">Fade To</button>
    <button id="bu">Fade Toggle</button>


    <!-- Buttons for Slide effects -->
    <button id="c1">Slide Up</button>
    <button id="c2">Slide Toggle</button>
    <button id="c3">Slide Down</button>


    <div id="output"></div>
</body>
</html>
```
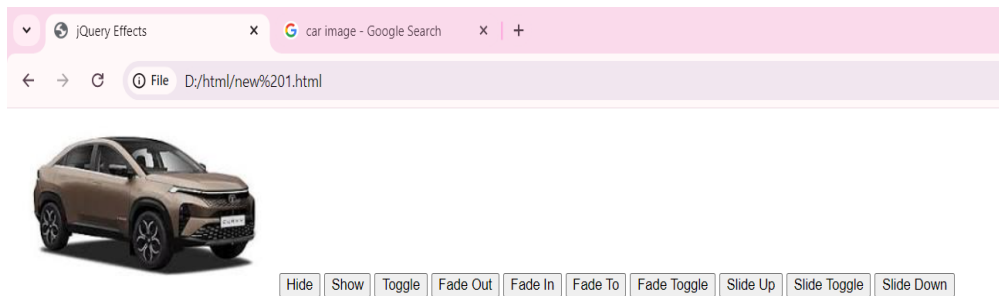
Output:

Source code for Keyboard, mouse and form events:

```html
<!DOCTYPE html>

<html>

<head>

  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.4.1/jquery.min.js"></script>

  <script>

    $(document).ready(function() {

      // Change background color on input events

      $("input").on({

        keydown: function() {

          $(this).css("background-color", "yellow");

        },

        keyup: function() {

          $(this).css("background-color", "pink");

        },

        focus: function() {

          $(this).css("background-color", "yellow");

        },

        blur: function() {

          $(this).css("background-color", "pink");

        },

        change: function() {

          alert("Text is changed");

        },

        select: function() {
```

```javascript
        alert("Text is selected");

    }

});


// Form submission event

$("form").submit(function() {

    alert("Form is submitted");

});


// Mouse events for headings

$("#i1").on({

    mouseenter: function() {

        $(this).css("background-color", "red");

    },

    mouseout: function() {

        $(this).css("background-color", "blue");

    }

});


$("#i2").on({

    mousedown: function() {

        $(this).css("background-color", "orange");

    },

    mouseup: function() {

        $(this).css("background-color", "green");

    }

});


$("#i3").mouseover(function() {

    alert("Cursor is over this heading");

});
```
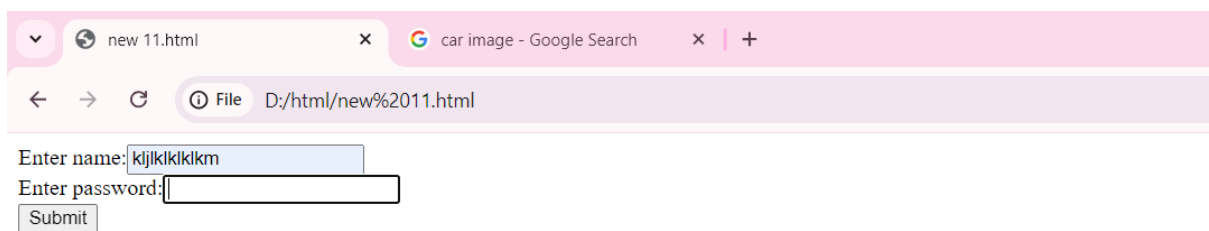
```
        });
    </script>
</head>
<body>
    <form method="post">
        Enter name:<input type="text" name="t1"><br>
        Enter password:<input type="password" name="t2"><br>
        <button type="submit">Submit</button>
        <h1 id="i1">Mouse Cursor over this heading 1 to trigger mouse events</h1>
        <h2 id="i2">Mouse Cursor over this heading 2 to trigger mouse events</h2>
        <h3 id="i3">Mouse Cursor over this heading 3 to trigger mouse events</h3>
    </form>
</body>
</html>
```

Output: