UIT 1602 WEB PROGRAMMING LABORATORY

Exercise 04 – Switch and Animations

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1.Animations

Code:

```html
<!DOCTYPE html>
<html>
<head>
    <title>Animations</title>
    <style>
        div {
            transition: all linear 0.5s;
            background-color: lightblue;
            height: 100px;
        }
        .ng-hide {
            height: 0;
        }
    </style>
    <script src="https://ajax.googleapis.com/ajax/libs/angularjs/1.6.9/angular.min.js"></script>
</head>
<body ng-app="myApp">
    <h1>Angular animations</h1>
    <h2>Click Here! <input type="checkbox" ng-model="myCheck"></h2>
    <div ng-hide="myCheck"></div>
    <script>
        var app = angular.module('myApp', ['ngAnimate']);
    </script>
</body>
```
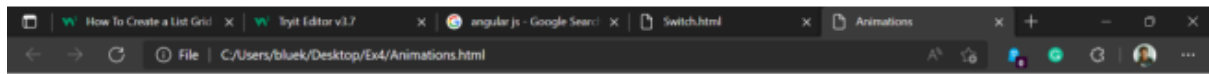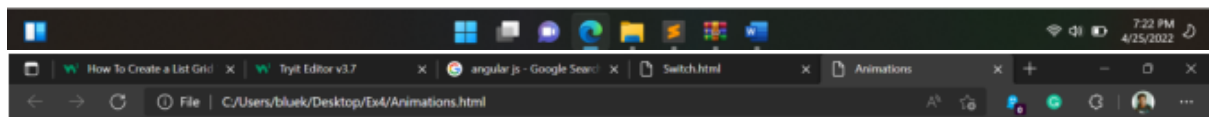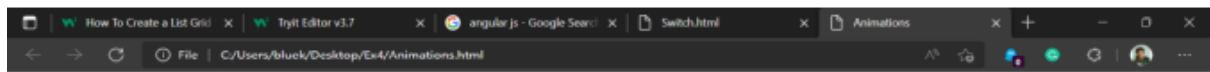
</html>

Output:

Angular animations

Click Here! ☑

2.Switch

Code:

```html
<!DOCTYPE html>

<html>

<head>

   <link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">

   <style>

     * {

        box-sizing: border-box;

     }

     .column {

        float: left;

        width: 50%;

        padding: 10px;

     }

     .row:after {

        content: "";

        display: table;

        clear: both;

     }

     .btn {

        border: none;

        outline: none;

        padding: 12px 16px;

        background-color: #f1f1f1;

        cursor: pointer;

     }

     .btn:hover {

        background-color: #ddd;

     }
```

```html
      .btn.active {

          background-color: #666;

          color: white;

      }

  </style>

</head>

<body>

  <h2>List View or Grid View</h2>

  <p>Click on a button to choose list view or grid view.</p>

  <div id="btnContainer">

      <button class="btn" onclick="listView()"><i class="fa fa-bars"></i> List</button>

      <button class="btn active" onclick="gridView()"><i class="fa fa-th-large"></i>
Grid</button>

  </div>

  <br>

  <div class="row">

      <div class="column" style="background-color:#aaa;">

          <h2>Html </h2>

          <p>The HyperText Markup Language or HTML is the standard markup
language for documents designed to be

          displayed in a web browser. </p>

      </div>

      <div class="column" style="background-color:#bbb;">

          <h2>CSS</h2>

          <p>Cascading Style Sheets is a style sheet language used for describing the
presentation of a document

          written in a markup language such as HTML.</p>

      </div>

  </div>

  <div class="row">

      <div class="column" style="background-color:#ccc;">
```

```html
        <h2>JS</h2>
        <p>JavaScript, often abbreviated JS, is a programming language that is one
of the core technologies of the
        World Wide Web, alongside HTML and CSS.</p>
    </div>
    <div class="column" style="background-color:#ddd;">
        <h2>Angular Js</h2>
        <p>AngularJS was a JavaScript-based open-source front-end web
framework for developing single-page
        applications.</p>
    </div>
  </div>
  <script>
    var elements = document.getElementsByClassName("column");
    var i;
    function listView() {
      for (i = 0; i < elements.length; i++) {
        elements[i].style.width = "100%";
      }
    }
    function gridView() {
      for (i = 0; i < elements.length; i++) {
        elements[i].style.width = "50%";
      }
    }
    var container = document.getElementById("btnContainer");
    var btns = container.getElementsByClassName("btn");
    for (var i = 0; i < btns.length; i++) {
      btns[i].addEventListener("click", function () {
        var current = document.getElementsByClassName("active");
        current[0].className = current[0].className.replace(" active", "");
```

```
                this.className += " active";
            });
        }
    </script>
</body>
</html>
```

Output: