

AngularJS Switch

ExpNo.3

Date:18-02-21

Objective: To create Angular JS Program to switch between grid layout and list layout

Requirements:

- **Front End Requirements:**
 1. Web Browser HTML support
 2. HTML
 3. CSS
 4. Angular
- **Text Editor/IDE**

Theory:

- **Html** stands for hypertext markup language is a standard markup language for creating web pages. It Describes the structure of web page.
- **CSS** (cascading style sheets) is used to format the layout of a webpage.
- **AngularJS** is JavaScript framework (structural framework) for dynamic web applications.
- It is a Single Page Application (SPA) projects.
- It is Open source.
- It supports the Model View Controller (MVC).
- A Model View Controller pattern is made up of the following three parts:
 - Model - It is the lowest level of the pattern responsible for maintaining data.
 - View - It is responsible for displaying all or a portion of the data to the user.
 - Controller - It is a software Code that controls the interactions between the Model and View.
- AngularJS has built-in directives such as ngBind, ngModel, etc.
 - ng-app - This directive defines and links an AngularJS application to HTML.
 - ng-model - This directive binds the values of AngularJS application data to HTML input controls.
 - ng-bind - This directive binds the AngularJS application data to HTML tags.

Procedure

1. Create a front end UI for the file upload form destination.html.

2. Load Angular JS framework using using `<script src = "https://ajax.googleapis.com/ajax/libs/angularjs/1.3.14/angular.min.js"></script>`
3. Define angular JS application using ng-app directive.
4. Define a model name using ng-model directive.
5. Bind the value of the above model using ng-bind directive.
6. Execute the angular JS application and write the code for switching between layouts and include css.

Implementation:

home.html

```
<!DOCTYPE html>
<html>
  <title>Gujarat Tourism</title>
  <link rel="stylesheet" href="home.css">
  <body>
    <h1>Vibrant Gujarat</h1>
    <ul>
      <li><a class="active" href="#home">Home</a></li>
      <li><a href="destsearch.html">Destinations</a></li>
      <li><a href="#contact">Things To Do</a></li>
      <li><a href="#about">Festivals</a></li>
      <li><a href="#about">Accomodation</a></li>
      <li><a href="destination.html">Top 6 Destinations</a></li>
    </ul>
    <center>
      <div class="slideshow">
        
        
        
        
      </div>
    </center>
    <script>
      var myIndex = 0;
      show();

      function show() {
        var i;
        var x = document.getElementsByClassName("mySlides");
        for (i = 0; i < x.length; i++) {
          x[i].style.display = "none";
        }
        myIndex++;
        if (myIndex > x.length) {myIndex = 1}
        x[myIndex-1].style.display = "block";
        setTimeout(show, 3000);
      }
    </script>
  </body>
</html>
```

```
</script>  
</body>  
</html>
```

home.css

```
body {margin:0;}  
h1 {  
  top:1.5%;  
}  
img {  
  height:45px;  
  width:45px;  
}  
ul {  
  position:fixed;  
  list-style-type: none;  
  margin: 0;  
  padding:0;  
  overflow: hidden;  
  background-color: #333;  
  
  top:70px;  
  width: 100%;  
}  
  
li {  
  float: left;  
}  
  
li a {  
  display: block;  
  color: white;  
  text-align: center;  
  padding: 14px 16px;  
  text-decoration: none;  
}  
  
li a:hover:not(.active) {  
  background-color: #111;  
}  
  
.active {  
  background-color: #f37121;  
}  
figure {
```

```
display: block;
position: relative;
overflow: hidden;
}

figcaption {
position: absolute;
background: rgba(0,0,0,0.75);
color: black;
padding: 10px 20px;
}
.mySlides {
width: 100%;
height: 500px;
background-size: 100% 100%;
}
```

destination.html

```
<html >
<head>
<title>Famous Destinations</title>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/4.7.0/css/font-awesome.min.css">
<link rel="stylesheet" href="destination.css">
<style type="text/css">
.bar
{
box-shadow: 0 1px 1px #ccc;
border-radius: 2px;
width: 100%;
padding: 5px;
margin: 45px auto 25px;
position: relative;
text-align: right;
line-height: 1;
}
.bar a
{
background: #4987a1 center center no-repeat;
width: 32px;
height: 32px;
display: inline-block;
text-decoration: none !important;
margin-right: 20px;
border-radius: 2px;
cursor: pointer;
}
.bar a.list-icon{
```

```
image:url(data:image/png;base64,iVBORw0KGgoAAAANSUUhEUgAAABAAAAAQCAyAA
AAf8/9hAAAAGXRFWHRTb2Z0d2FyZQBBZG9iZSBJbWFnZVJlYWR5ccllPAAAAyBpVF
h0WE1MOmNvbS5hZG9iZS54bXAAAAAAADw/eHBhY2tldCBiZWdpbj0i77u/LiBpZD0iVz
VNME1wQ2VoaUh6cmVTek5UY3prYzlkIj8+IDx4OnhtcG1ldGEgeG1sbnM6eD0iYWWRvYm
U6bnM6bWV0YS8iIHg6eG1wdGs9IkFkb2JlIFhNUCBDd3JlIDUuMC1jMDYwIDYxLjEzND
c3NywgMjAxMC8wMi8xMi0xNzozMjowMCAgICAgICAgIj4gPHJkZjpSREYgeG1sbnM6cm
RmPSJodHRwOi8vd3d3LnczLm9yZy8xOTk5LzAyLzIyLXJkZi1zeW50YXgtbnMjLj4gPHJkZj
pEZXNjcmlwdGlvbiByZGY6YWJvdXQ9IiIgeG1sbnM6eG1wPSJodHRwOi8vbnMuYWRvYm
mUuY29tL3hhcC8xLjIvLiB4bWxuczp4bXBNTT0iaHR0cDovL25zLmFkb2JlLnNvbS94YXA
vMS4wL21tLyIgeG1sbnM6c3RSZWY9Imh0dHA6Ly9ucy5hZG9iZS5jb20veGFwLzEuMC9z
VHlwZS9Sc2hXZjZVJlZiMiIHhtcDpDcmVhdG9yVG9vbD0iQWRvYmUgUGhvdG9zaG9
wIENTNSBxaW5kb3dzLiB4bWxubWNTTpJbnN0YW5jZU1EPSJ4bXAuaWlkOjBEQkMyQzE0M
TBCRjExRTNBMDIGRTYyOTIBNDdCN0I4IiB4bWxubWNTTpEb2N1bWVudElEPSJ4bXAuZGl
kOjBEQkMyQzE1MTBCRjExRTNBMDIGRTYyOTIBNDdCN0I4Ij4gPHhtcE1NOkRlcml2Z
WRGcm9tIHN0UmVmOmIuc3RhbmNlSUQ9InhtcC5paWQ6MERCQzJDMTlIxMEJGMTFF
M0EwOUZFNjI5OUE0N0I3QjgiIHN0UmVmOmRvY3VtZW50SUQ9InhtcC5kaWQ6MERC
QzJDMTlMxMEJGMTFFM0EwOUZFNjI5OUE0N0I3QjgiLz4gPC9yZGY6RGVzY3JpcHRpb
24+IDwvcmlRmOlJERj4gPC94OnhtcG1ldGE+IDw/eHBhY2tldCBiZWdpbj0i77u/LiBpZD0iVz
XklEQVR42mL4///h/8I8B6IGaCYKHFGEMnAwCDIAAHvgZgRyiZKnImBQsACxB+hNoD
AQyQ5osQZIT4gH1DsBZABH6AB8x/JaQzEig++WPiI7Rxio/GwmCIBYAAAwAwVlzMp1
R0aQAAAABJRu5ErkJggg==);
}
```

```
.bar a.active
{
    background-color: #c14694;
}

/*-----List layout-----*/
ul.list
{
    list-style: none;
    width: 600px;
    margin: 0 auto;
    text-align: left;
}
ul.list li
{
    border-bottom: 1px solid #ddd;
    padding: 10px;
    overflow: hidden;
}
ul.list li img
{
    float: left;
    border: none;
    padding-right: 10px;
}
ul.list li p
{
    margin-left: 135px;
    font-weight: bold;
    color: #6e7a7f;
}
#dataname1 {
    font-size: 25px;
    color: black;
    padding-left: 10px;
}
#dataname2 {
}
#dataname3 {
}
```

```
/* .v1 {  
    border-left: 2px solid black;  
    height: 180%;  
    position: absolute;  
    left: 46.5%;  
    margin-left: -3px;  
    top: 22%;  
}  
.v2 {  
    border-left: 2px solid black;  
    height: 180%;  
    position: absolute;  
    left: 56.5%;  
    margin-left: -3px;  
    top: 22%;  
} */  
/* -----Grid layout----- */  
ul.grid  
{  
    list-style: none;  
    width: 570px;  
    margin: 0 auto;  
    text-align: left;  
}  
ul.grid li  
{  
    padding: 2px;  
    float: left;  
}  
#imagetext {  
    background-color: yellow;  
    background-size: 20px;  
    margin: 0px;  
    padding-bottom: 10px;  
    padding-left: 10px;  
    font-weight: bold;  
  
}  
#hname {  
    padding-top: 25px;  
    padding-right: 100px;  
}  
#gridimg {  
    padding-top: 10px;  
}  
#listimg {  
  
}
```

```

</style>
<script type="text/javascript"
src="https://cdnjs.cloudflare.com/ajax/libs/angular.js/1.7.8/angular.min.js"></script>
<script type="text/javascript">
    var app = angular.module("MyApp", []);
    angular.module('MyApp', []).controller("MyController", function($scope) {
        $scope.message="Top 5 Destinations to Visit"
        $scope.layout = 'grid';
        $scope.Data = [
            { Name: "1.Rann Of Kutch",District:"Bhuj",Besttime:"December-January", Path:
"rann5.jpg" },
            { Name: "2.Sassan Gir Forest",District:"Junagadh",Besttime:"November-March",
Path: "sasan5.jpg" },
            { Name: "3.Somnath Temple",District:"Somnath",Besttime:"October-March", Path:
"somnath5.jpg" },
            { Name: "4.Rani ka Vav",District:"    Patan    ",Besttime:"December-March",
Path: "rani5.jpg" },
            { Name: "5.Dwarka Temple",District:"Dwarka",Besttime:"August-January", Path:
"dwarka5.jpg" },
            { Name: "6.Saputara Lake",District:"Saputara",Besttime:"October-February", Path:
"saputara.jpg" },
        ];
    });
</script>

</head>
<body bgcolor=white>
    <div class="container">
        
        <div class="text-block">
            <h1>6 Best Tourist Places To Visit In Gujarat</h1>
        </div>
        </div>
        <div ng-app="MyApp" ng-controller="MyController">

            <div class="bar">

                <a class="list-icon" ng-class="{active: layout == 'list'}" ng-click="layout = 'list'">
                </a><a class="grid-icon" ng-class="{active: layout == 'grid'}" ng-click="layout =
'grid'">
                </a>
            </div>
            <ul ng-show="layout == 'grid'" class="grid">
                <li ng-repeat="data in Data">
                    
                    <p id="imagetext">{{data.Name}}</p>
                </li>
            </ul>

```



```
<ul ng-show="layout == 'list'" class="list">
<div class="v1"></div>
<div class="v2"></div>
<li>

    <li ng-repeat="data in Data">

        
        <p id="dataname1">{{data.Name}}</p>
        <p id="dataname2">District Located: {{data.District}}</p>
        <p id="dataname3">Best Time To Visit: {{data.Besttime}}</p>

    </li>
</ul>
</div>
</body>
</html>
```

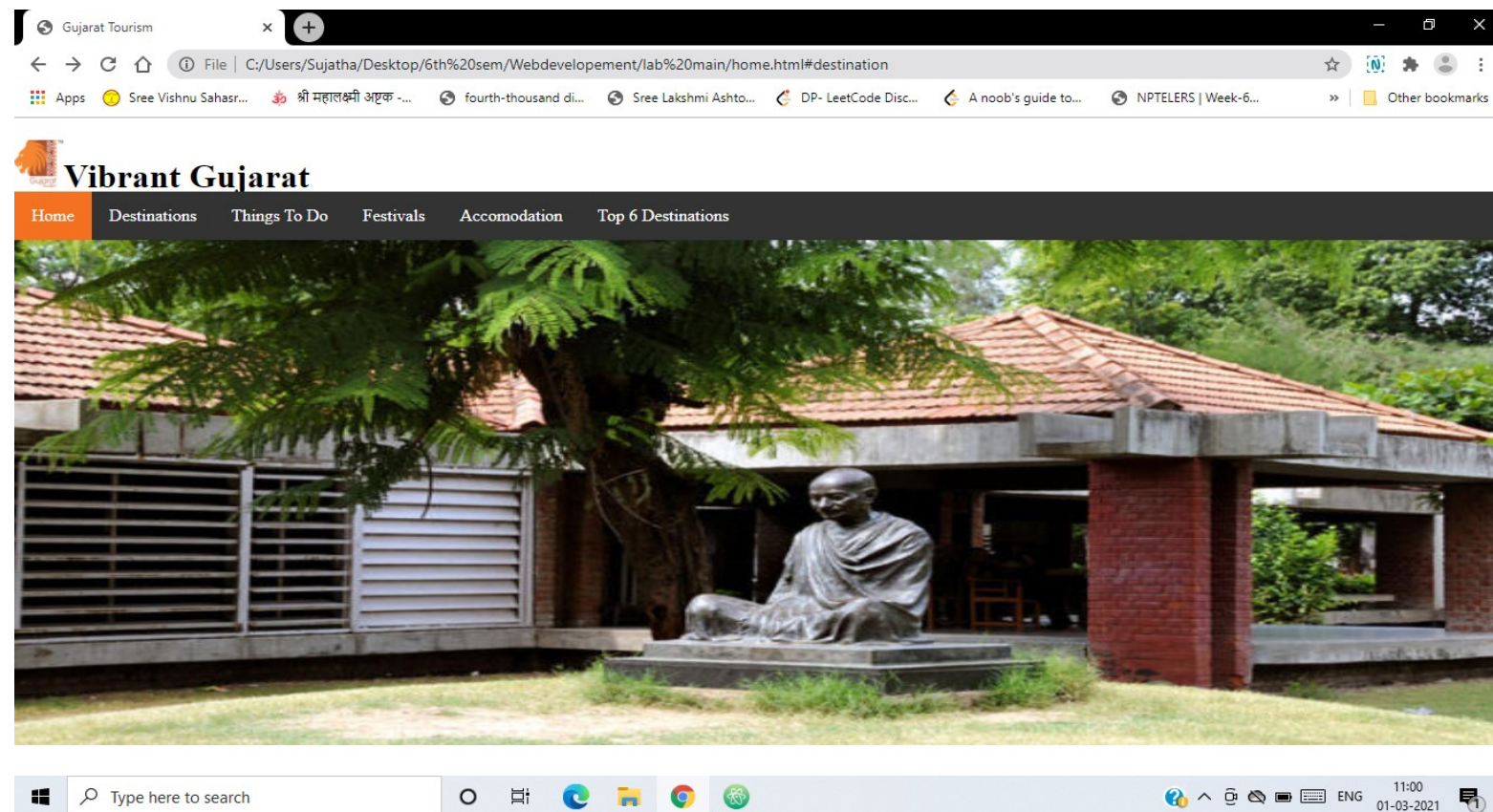
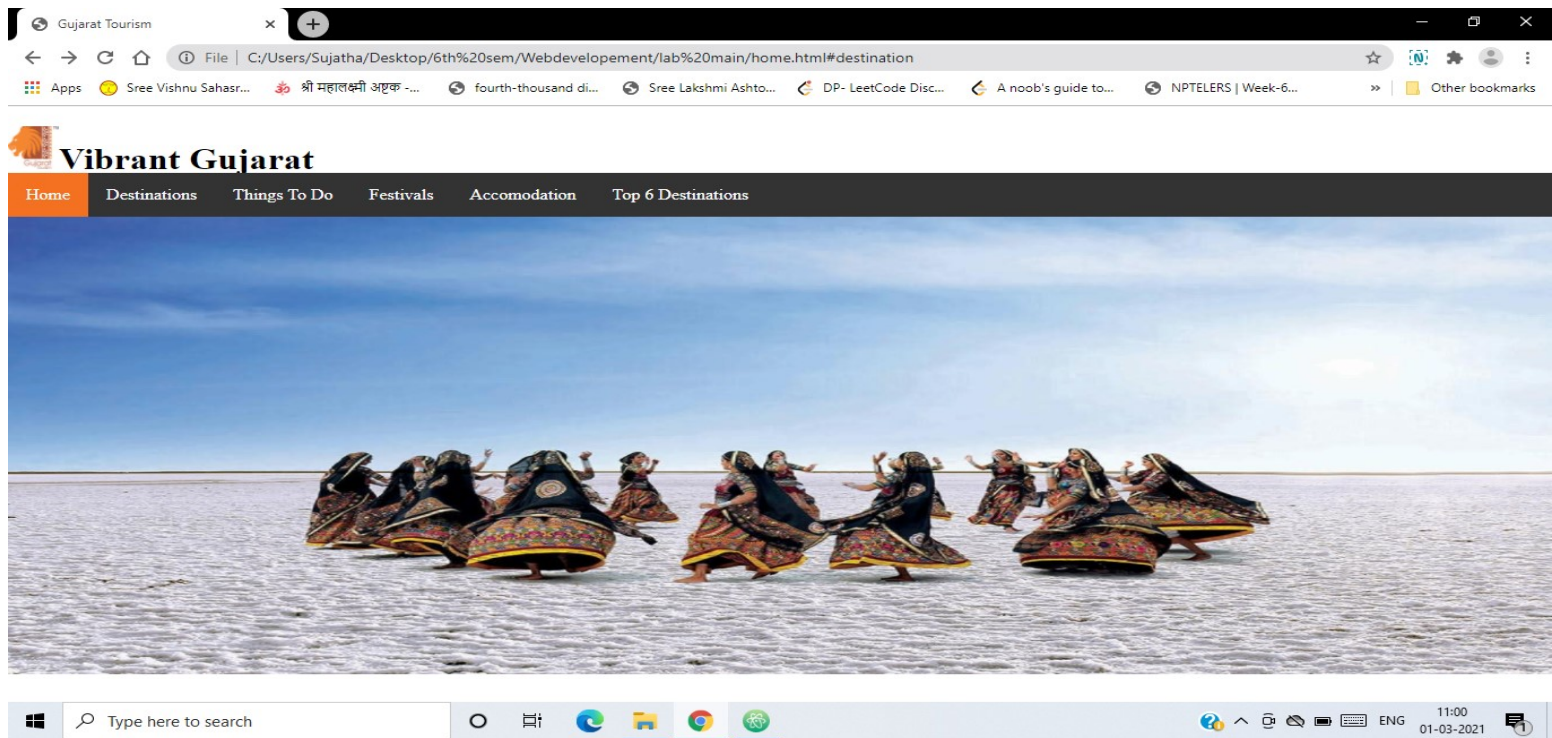
destination.css

```
.container {
    position: relative;
}
#unity{
    height:500px;
    width:100%;
}

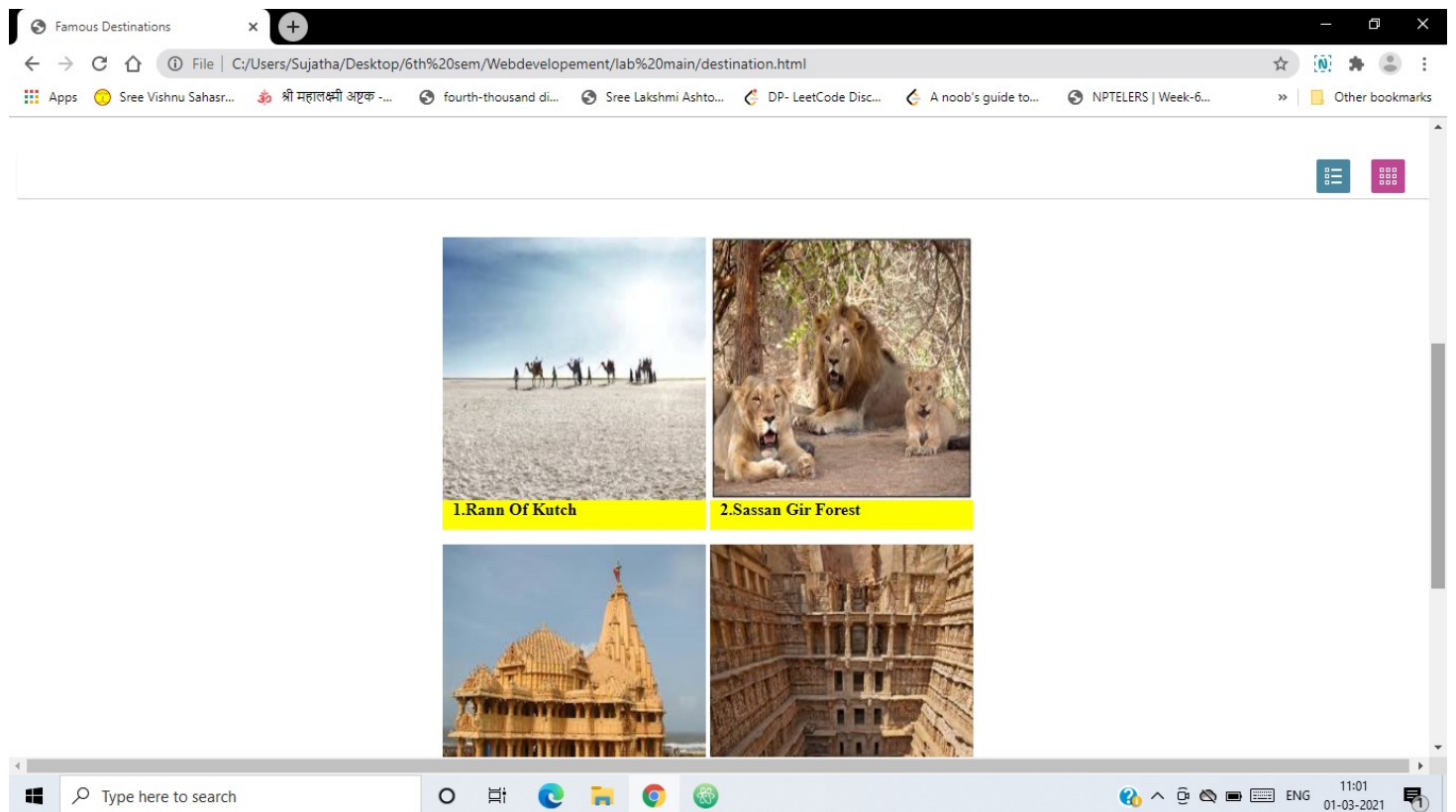
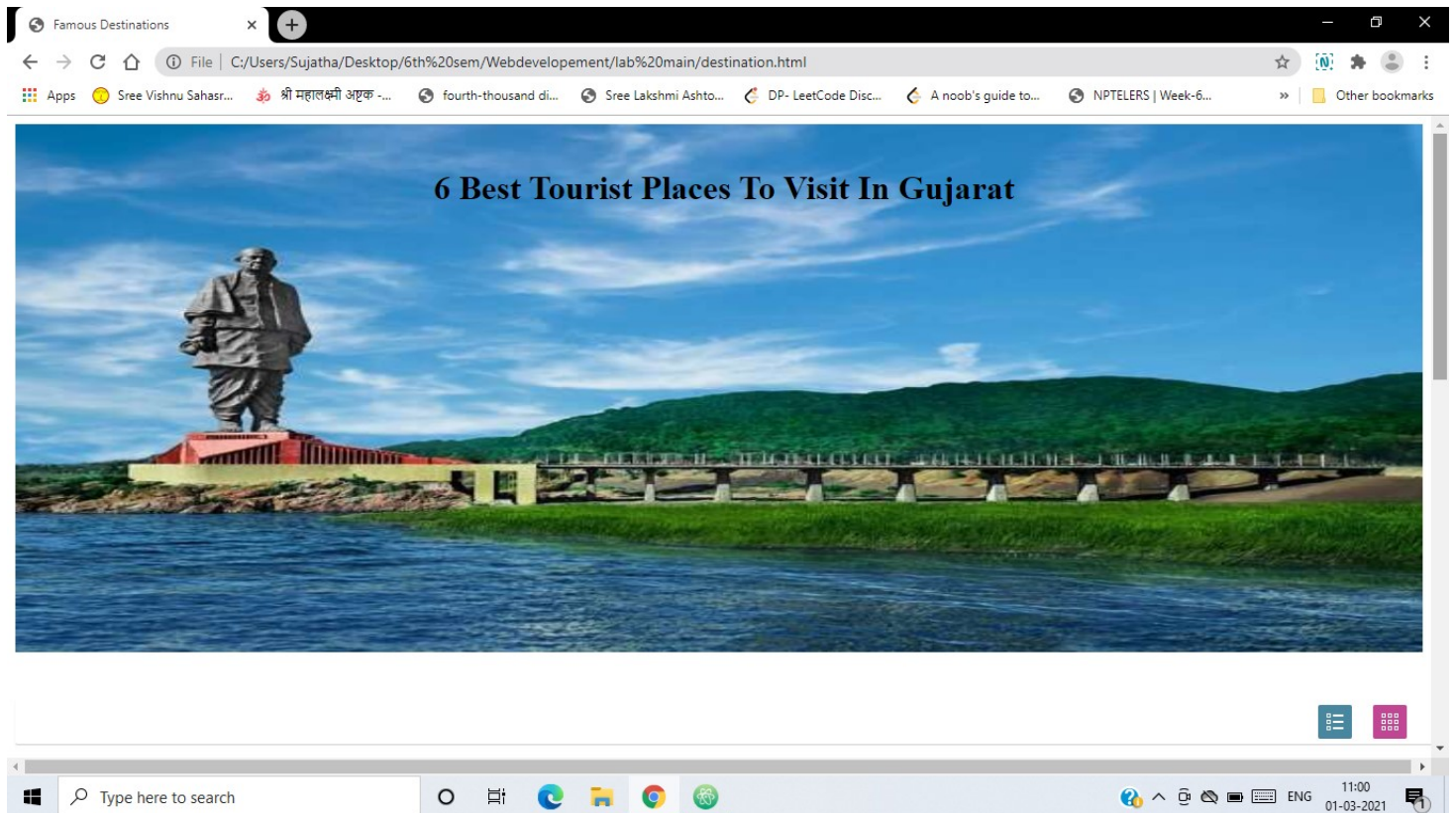
/* Bottom right text */
.text-block {
    position:absolute;
    bottom:80%;
    right:29%;
    color:black;
}
```

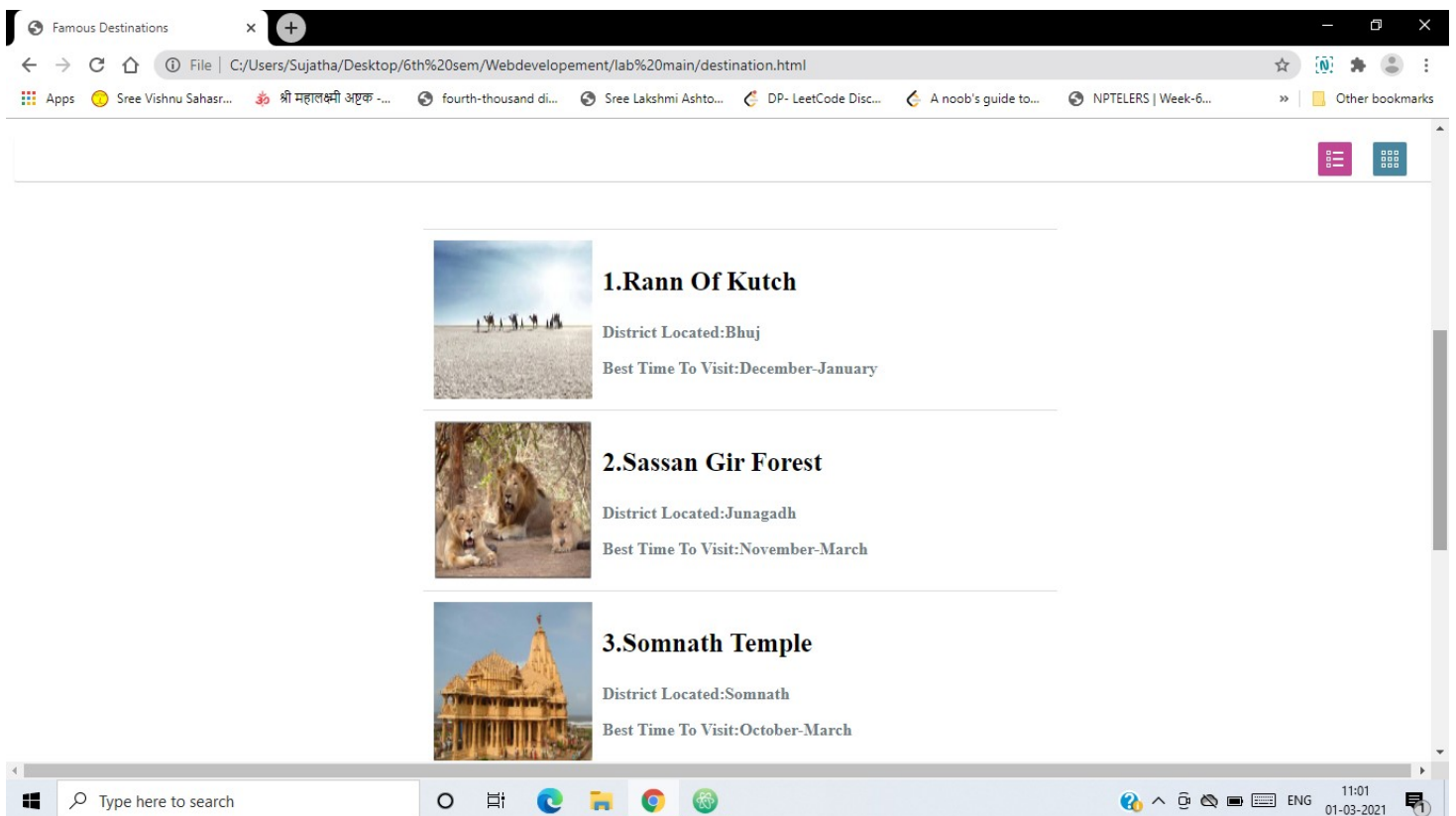
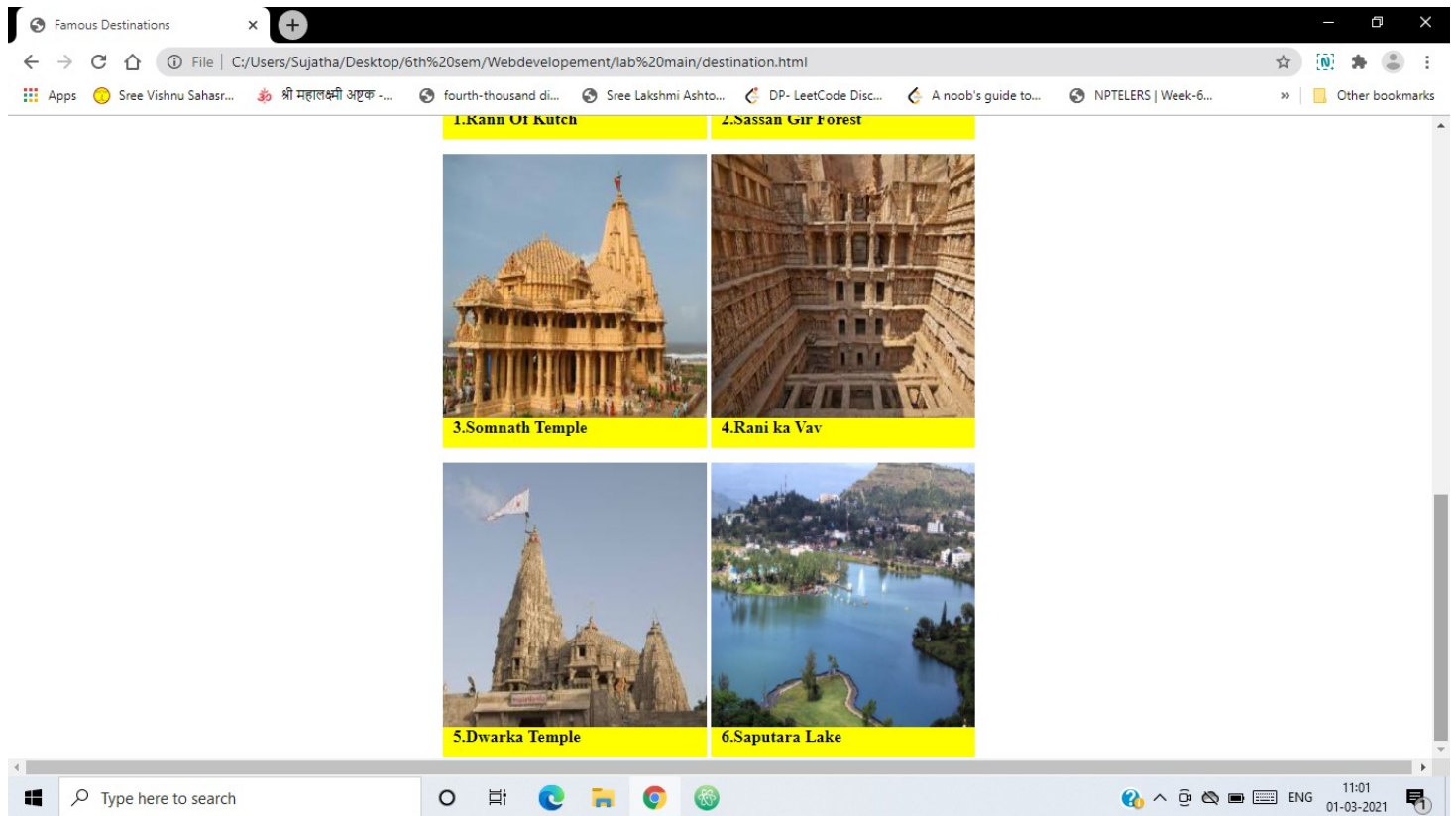
Output:

home.html



destination.html(Angular Switch)






Famous Destinations

File | C:/Users/Sujatha/Desktop/6th%20sem/Webdevelopment/lab%20main/destination.html


Apps Sree Vishnu Sahasr... श्री महालक्ष्मी अष्टक ... fourth-thousand di... Sree Lakshmi Ashto... DP- LeetCode Disc... A noob's guide to... NPTELERS | Week-6... Other bookmarks



3.Somnath Temple

District Located:Somnath


Best Time To Visit:October-March



4.Rani ka Vav

District Located: Patan


Best Time To Visit:December-March



5.Dwarka Temple

District Located:Dwarka

Best Time To Visit:August-January




6.Saputara Lake

Windows Taskbar: Type here to search, 11:01 01-03-2021

Famous Destinations


File | C:/Users/Sujatha/Desktop/6th%20sem/Webdevelopment/lab%20main/destination.html

Apps Sree Vishnu Sahasr... श्री महालक्ष्मी अष्टक ... fourth-thousand di... Sree Lakshmi Ashto... DP- LeetCode Disc... A noob's guide to... NPTELERS | Week-6... Other bookmarks



District Located:Somnath


Best Time To Visit:October-March



4.Rani ka Vav

District Located: Patan


Best Time To Visit:December-March



5.Dwarka Temple

District Located:Dwarka

Best Time To Visit:August-January



6.Saputara Lake

District Located:Saputara

Best Time To Visit:October-February

Windows Taskbar: Type here to search, 11:01 01-03-2021

Result:

The website with Angular JS Switch has been designed and implemented and the output has been verified.