

Mobile Programming

Lab 5

Name: Kumar Shubham

RegNo: 15BCE1283

1. Create a page to change the color or perform any action of the link once touches instead of opening a new page.

Sol:

Code:

First.html

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width,
initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Lab-5 touch data</title>

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootst
rap.min.css">

</head>
```

```
<body>

  <div class="container">

    Lorem ipsum dolor sit amet consectetur adipisicing elit.
    Cumque ratione sapiente vero dignissimos magnam voluptatum corporis
    magni, quos dolore praesentium nesciunt blanditiis sunt. Sequi,
    cupiditate debitis nihil dolor maiores ut!

    <h1 class="text-center">

      <a href="#" id="sample-link">Sample link</a>

    </h1>

  </div>

</body>

<script src="./dist/app.js"></script>

</html>
```

App.js

```
var link = document.getElementById('sample-link');

var colorsArray = ['A', 'B', 'C', 'D', 'E', 'F', '0', '1', '2',
'3', '4', '5', '6', '7', '8', '9'];

function getIndex() {

  var min = 0;

  var max = colorsArray.length;

  var idx = Math.floor(Math.random() * (max - min + 1)) + min;

  return idx;
```

```
}

link.addEventListener('touchstart', function (event) {

    event.preventDefault();

    var color = "#";

    for (var i = 0; i < 6; i++) {

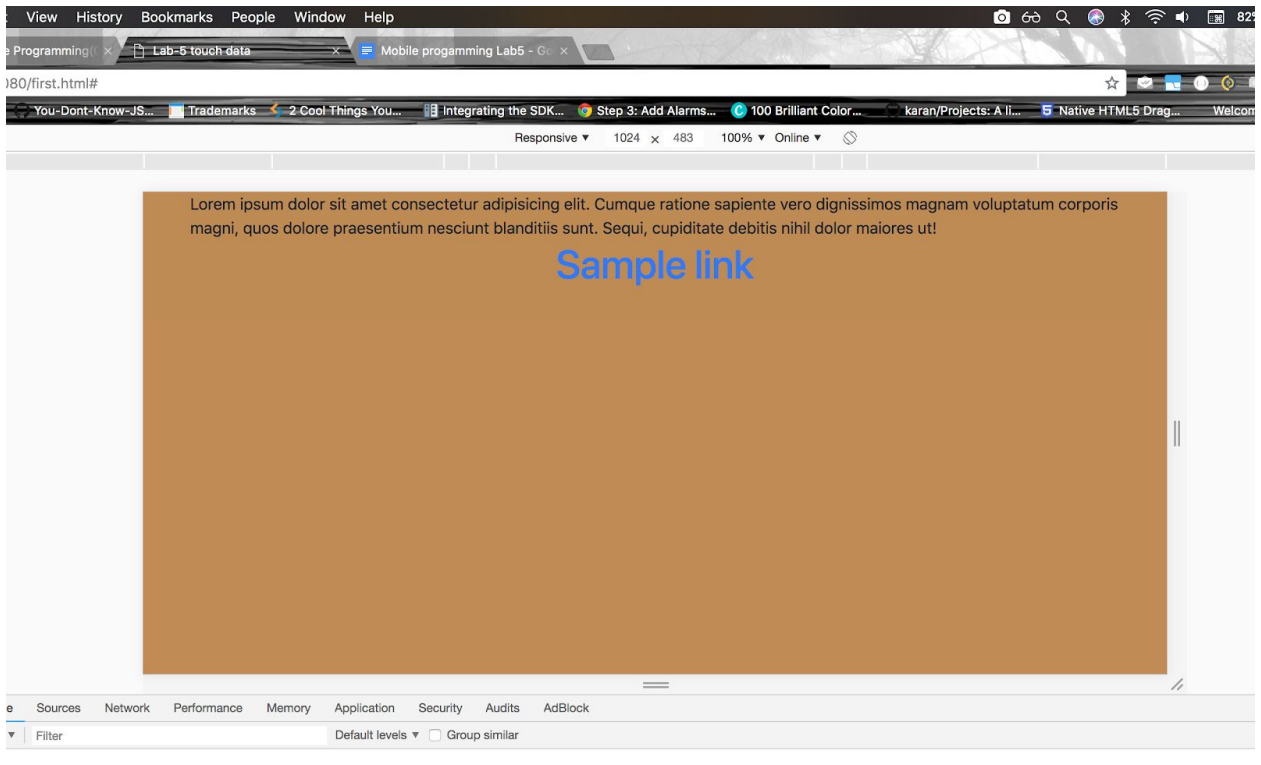
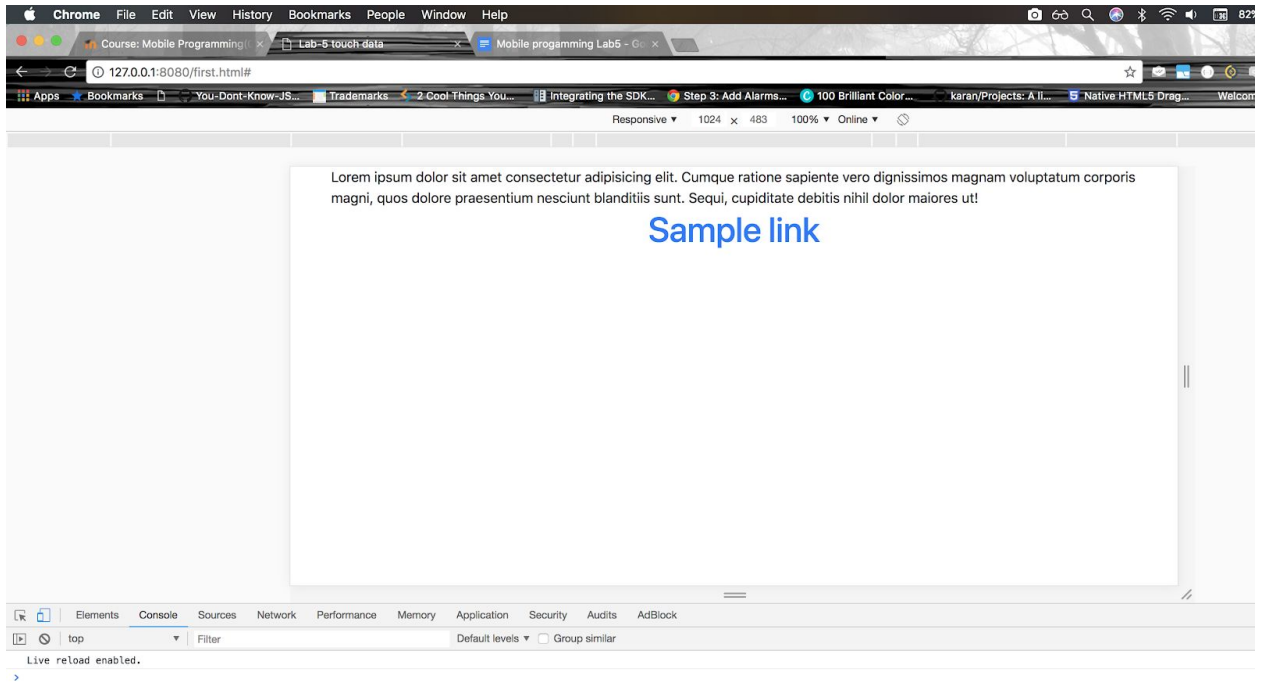
        color += colorsArray[getIndex()];

    }

    document.body.style.backgroundColor = color;

}, false);
```

Screenshots



2. Consider Direction page that consists of four different directions;

- East : touches on it scroll to upwards
- West : touches on it scroll downward
- North : touches on it move towards right direction
- South: touches on it move towards left direction

Design the HTML page to meet the above requirements using touch event interface.

Sol:

Code

```
<!DOCTYPE html>

<html lang="en">

<head>

    <meta charset="UTF-8">

    <meta name="viewport" content="width=device-width,
initial-scale=1.0">

    <meta http-equiv="X-UA-Compatible" content="ie=edge">

    <title>Second exercise</title>

    <link rel="stylesheet"
href="https://stackpath.bootstrapcdn.com/bootstrap/4.1.3/css/bootst
rap.min.css">

</head>

<body>
```

cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed

cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

<div> Lorem ipsum dolor sit amet consectetur adipisicing elit. Perferendis aperiam quasi fugiat quam, voluptas, sed cupiditate praesentium nam adipisci tempore eligendi optio quis, quisquam ipsa minima at nobis expedita eius!</div>

```
<div class="direction-dabba">

    <div class="direction-up-dabba"
onclick="Myscroll('up')">

        <span>&uarr;</span>

    </div>

    <div class="dabba-same-line">

        <div class="direction-left-dabba"
onclick="Myscroll('left')">

            &larr;

        </div>

        <div class="direction-right-dabba"
onclick="Myscroll('right')">

            &rarr;
```

```
}

.dabba-same-line {

    display: flex;

    justify-content: space-between;

}

.direction-up-dabba span{

    display: flex;

    justify-content: center;

}

.direction-down-dabba span{

    display: flex;

    justify-content: center;

}

body{

    width: 2000px;

    height: 2000px;

}

</style>

<script>

    function Myscroll(dir) {

        if(dir === 'up') {
```

```
        window.scrollTo(0,100);
    }

    else if(dir === 'down'){

        window.scrollTo(0,-100);

    }

    else if(dir === 'right'){

        window.scrollTo(100,0);

    }

    else{

        window.scrollTo(-100,0);

    }

}

</script>

</html>
```

Screenshot