



sagarmatha

COLLEGE OF SCIENCE & TECHNOLOGY
TRIBHUVAN UNIVERSITY AFFILIATE

Lab Report On: NCC

Lab Report No: 05

Submitted By:

Bijay Shrestha

Roll no: 11

Group: BSc.CSIT

Submitted To:

CSIT Department

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1) Write a Client side Javascript Program to change the background color of a page on button click.

SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title> Background Change </title>
  <script>
    var btn = document.querySelector('button');
    function random(num){
      return Math.floor(Math.random() * (num+1));
    }
    function changeBg(color){
      var nxtCol = 'rgb(' + random(255) + ',' +
        random(255) + ',' + random(255)
        + ')';
      document.body.style.backgroundColor = nxtCol;
    }
  </script>
</head>
<body>
  <button onclick="changeBg(color)"> Change color
</button>
</body>
</html>
```

2.) Write a jQuery Program to hide <H1> element on Button Click and fadeout element with id as FadeId.

SOURCE CODE

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-scale=1.0">
  <title> Hide Element </title>
  <script src="https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js"></script>
  <script>
    $(document).ready(function(){
      $("button").click(function(){
        $("h1").hide();
        $("#FadeId").fadeOut();
      });
    });
  </script>
</head>
<body>
  <h1> Hide Elements </h1>
  <p id="FadeId"> This will be fade out on click of the button </p>
  <button> Hide Element </button>
</body>
</html>
```

3.) Show how you can create Angular JS application in Visual Studio.

PROCESS INVOLVED

- In Visual Studio, "ASP.NET Web Application (.NET Framework)" was chosen.
- The project name was given as "AngularJsBijay"
- Then, ~~the~~ 'Empty' was selected and click on 'create'.
- In Nuget Package Manager, 'AngularJs.core' was installed.
- Controller folder was created along with two files App.js and TestController.js in it.

App.js

```
var app = angular.module('myapp', []);
```

TestController.js

```
app.controller('TestController', function($scope) {  
    $scope.testmessage = "Setup Angular app on  
    Visual Studio successfully";  
});
```

- Test.html was created with code as :-


```
<!DOCTYPE html>
```

```
<html lang="en">
```

```
<head>
```

```
  <meta charset="UTF-8">
```

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

```
  <title> Angular Js Bijay </title>
```

```
  <script src="Scripts/angular.js"> </script>
```

```
  <script src="controllers/App.js"> </script>
```

```
  <script src="controllers/TestController.js"> </script>
```

```
</head>
```

```
<body ng-app="myapp">
```

```
  <div ng-controller="TestController">
```

```
    <h2> {{ testmessage }} </h2>
```

```
  </div>
```

```
</body>
```

```
</html>
```