

DOP: / /2023

DOS: / /2023

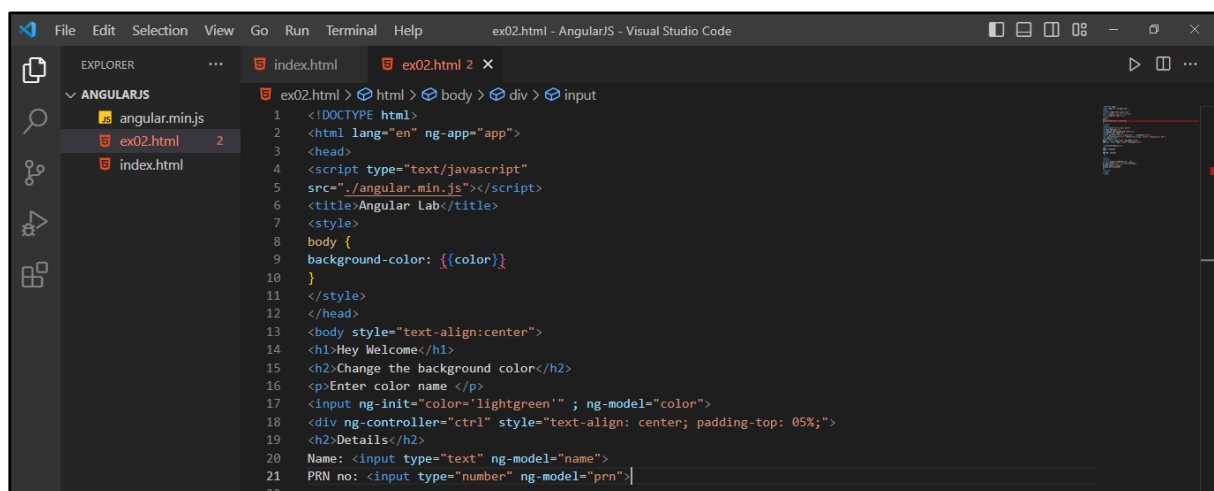
Experiment No: 04

Title: To study and create ng-controller, ng-model, and expressions with examples

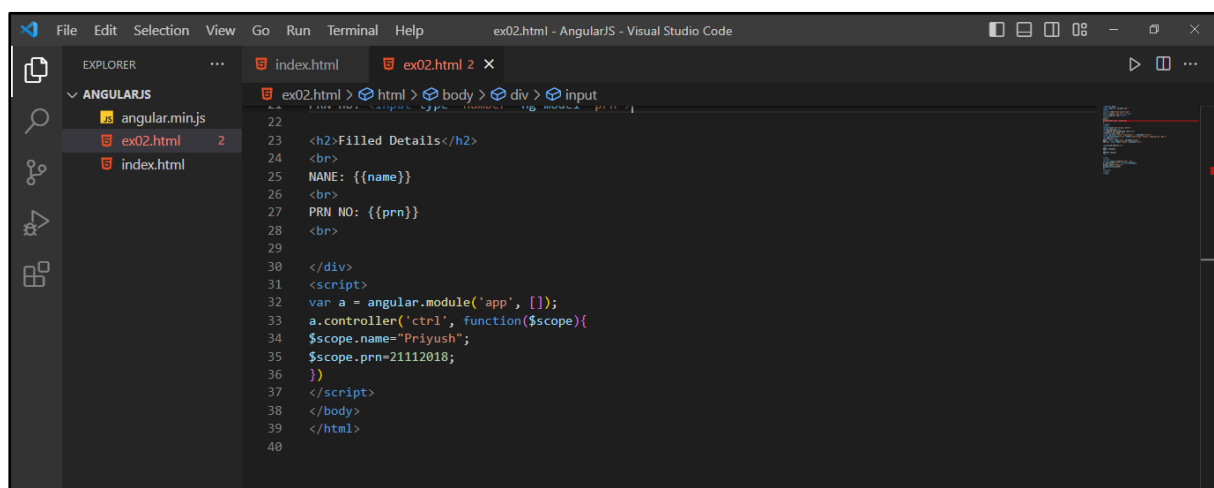
Theory:

- **NG-CONTROLLER:** The ng-controller directive adds a controller to your application. In the controller, you can write code, and make functions and variables, which will be parts of an object, available inside the current HTML element. In AngularJS this object is called a scope.
- **NG-MODEL:** Ng-model is a directive in Angular. JS represents models and its primary purpose is to bind the “view” to the “model”. The ng-model directive binds the value of HTML controls (input, select, text area) to application data.
- **NG-APP:** The ng-app directive is a starting point for the AngularJS Application. It initializes the AngularJS framework automatically. AngularJS framework will first check for the ng-app directive in an HTML document after the entire document is loaded and if ng-app is found, it bootstraps itself and compiles the HTML template.

Input:

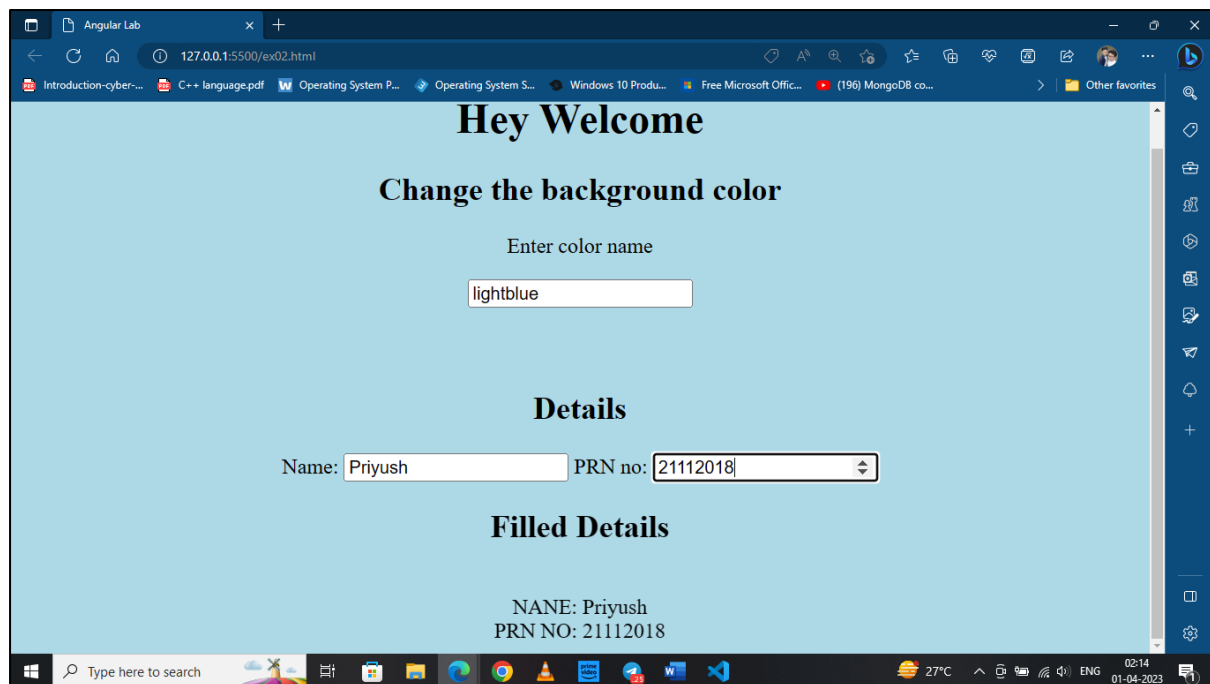


```
1 <!DOCTYPE html>
2 <html lang="en" ng-app="app">
3 <head>
4 <script type="text/javascript"
5 src="./angular.min.js"></script>
6 <title>Angular Lab</title>
7 <style>
8 body {
9 background-color: {{color}}
10 }
11 </style>
12 </head>
13 <body style="text-align:center">
14 <h1>Hey Welcome</h1>
15 <h2>Change the background color</h2>
16 <p>Enter color name </p>
17 <input ng-init="color='lightgreen'" ; ng-model="color">
18 <div ng-controller="ctrl" style="text-align: center; padding-top: 05%;">
19 <h2>Details</h2>
20 Name: <input type="text" ng-model="name">
21 PRN no: <input type="number" ng-model="prn">
22
```



```
22
23 <h2>Filled Details</h2>
24 <br>
25 NAME: {{name}}
26 <br>
27 PRN NO: {{prn}}
28 <br>
29 </div>
30 <script>
31 var a = angular.module('app', []);
32 a.controller('ctrl', function($scope){
33 $scope.name="Priyush";
34 $scope.prn=21112018;
35 })
36 </script>
37 </body>
38 </html>
39
40
```

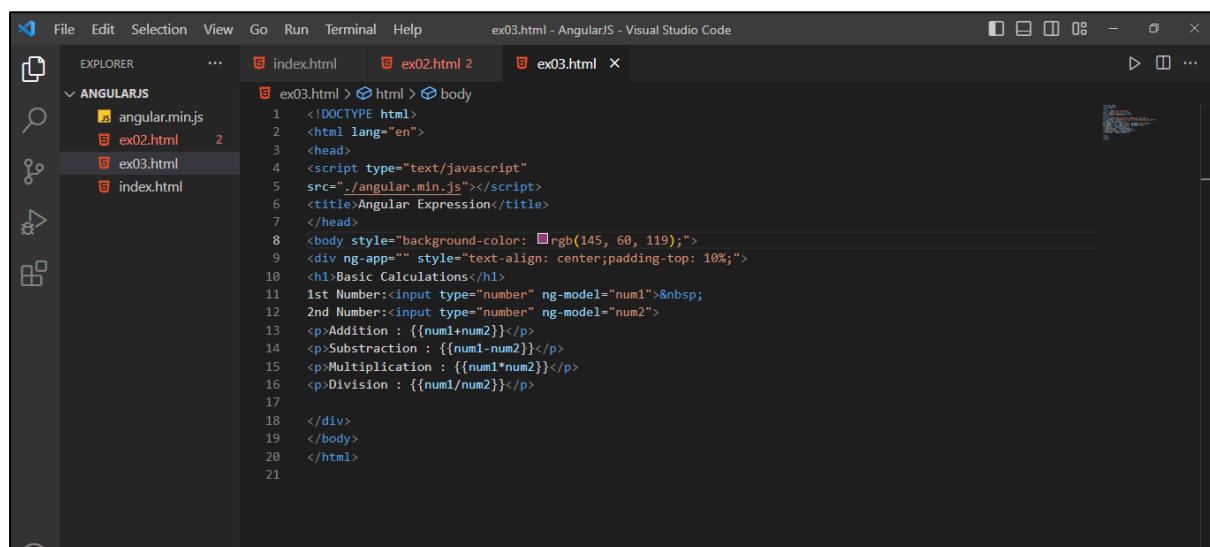
Output:



◆ AngularJS Expressions:

AngularJS binds data to HTML using Expressions. The expressions are resolved by Angular and the result is returned back to where the expression is written. The expressions in AngularJS are written in double braces: `{{ expression }}`.

Input:





Output:

Angular Expression

127.0.0.1:5500/ex03.html

Introduction-cyber... C++ language.pdf Operating System P... Operating System S... Windows 10 Produ... Free Microsoft Offic... (196) MongoDB co... Other favorites

Basic Calculations

1st Number: 2nd Number:

Addition : 130

Substraction : 120

Multiplication : 625

Division : 25

Conclusion: - Thus we have implemented create ng-controller, ng-model, and expressions in AngularJS.