

Module 2

What to learn

- Data-Binding
- Interpolation
- Property Binding
- Two Way Binding
- Event Binding
- Built in Pipes

Practice Exercise

Practice 1 (65cdfdab7ba36e06448762a2)

Create one textbox in Helloworld component. Bind its value to the name variable.

Textbox for Name Input: Control ID -> #name-input

<p> tag to Display Value: Control ID -> #displayed-value

*Please set the default variable value to an empty ("") string.

Practice 2 (65cdfdab7ba36e06448762a3)

Create a calculator component that performs addition, multiplication, and subtraction operations.

Number 1 Input: Control ID -> #num1 -> Default value -> 0

Number 2 Input: Control ID -> #num2 -> Default value -> 0

Operation Dropdown: Control ID -> #operation

Options: Addition, Subtraction, Multiplication

Calculate Button: Control ID -> #calculate-btn

Result Output: Control ID -> #result -> Default value -> 0

*The output should have two fractional digits.

Example: 0.00, 5.93, -121.11

Practice 3

Implement a component where a user's name input is reflected in a greeting message in real-time.

Example: Type "John" in the input, and the page displays "Hello, John!"

Practice 4

Create a product quantity selector with a two-way binding feature. The total price should update automatically based on the quantity entered and a fixed product price.

Practice 5

Bind a dropdown menu's selected value to a property in your component and display the selected value below the menu.

Practice 6

Create a form that updates a user's profile information (name, email, and phone number) using two-way data binding.

Practice 7

Develop a two-way bound search box that filters and displays a list of items dynamically as the user types.

Practice 8

Implement a two-way bound counter component with "+" and "-" buttons to increase or decrease the value. Ensure the value is capped between 0 and 100.

Practice 9

Write a component where a text input field is used to update a list of tasks in an array dynamically. Display the tasks in a list format.

Practice 10

Create a budget tracker where the user can enter their monthly income and expenses. Use two-way binding to calculate and display the remaining balance.

Practice 11

Develop a voting system where each user can vote up or down on a topic. Use two-way data binding to reflect the votes dynamically.

Practice 12

Implement a form with a slider input for selecting a discount percentage. Display the discounted price in real-time based on the original price.

Practice 13

Create a shipping cost calculator where a user can select the weight of a package (dropdown) and distance (slider). Use two-way data binding to display the calculated cost dynamically.

Practice 14

Design a temperature converter component where the user can input a value in Celsius or Fahrenheit, and the corresponding value updates automatically.

Practice 15

Implement a quiz component where a user selects answers from radio buttons. Use two-way data binding to update their score after submission.

Practice 16

Create a stock management form with fields for stock name, quantity, and price. Use two-way binding to calculate the total value of the stock dynamically.

Practice 17

Develop a real-time expense tracker where a user enters their expenses in different categories (e.g., Food, Travel). Display the total expenses live as they update the values.

Assignment Exercise

Assignment 1

Create a left bar component which contain some dummy adds.

Assignment 2 (65cdfdab7ba36e064487629f)

Create a signup component that contains fields for Name, Address, and PanNumber, and interpolates these pieces of information into a paragraph.

Name Input: Control ID -> #name-input

Address Input: Control ID -> #address-input

PanNumber Input: Control ID -> #pan-input

Submit Button: Control ID -> #submit-btn

Displayed Information Output: Control ID -> #displayed-info -> Default value -> ""

*The displayed information should be updated after clicking the Submit button, showing the entered values for Name, Address, and PanNumber in the paragraph.

Example: If the user enters "John Doe" for Name, "123 Main St" for Address, and "ABCDE1234F" for PanNumber and clicks Submit, the displayed information should be "Name: John Doe, Address: 123 Main St, PanNumber: ABCDE1234F".

Assignment 3

Call all these component in the App Component.

Assignment 4

Arrange these component properly, Use proper Bootstrap, Two-way Binding

Online Reference

No online Reference

Introduction

the basics

course project-basics

debugging

components & databinding deep dive

course project – components & databinding

directives deep dive

Using Services & Dependency Injection

Course Project – Services & Dependency Injection

Changing Pages with Routing

Course Project – Routing

Handling Forms in Angular Apps

Course Project-Forms

Using Pipes to Transform Output

Making Http Requests