JS-Control flows

Date: 18-05-2024

Menu-Driven Calculation Program

Requirements:

HTML Structure:

- Create a **Open Menu** button. **(Figure 01)**
- Create a container to display the menu items from a JavaScript array.
- Create a form to submit the selected menu number.

JavaScript Functionality:

- Define a JavaScript array menuArray containing the following menu items:
  menuArray = ["1. Factorial", "2. Triangle number", "0. Exit"];

- Implement a function to display the menu when the **Open Menu** button is clicked. **(Figure 02)**

- Implement a function to handle form submission for the menu number and display the relevant form for the chosen calculation. **(Figure 03 & Figure 05)**

- Implement individual functions to handle each calculation:
  - Factorial Calculation:
    - Display a input box to input a number. **(Figure 03)**
    - Calculate and display the factorial of the number. (Figure 04)
    - Hide the input box and return to the menu selection after displaying the result. **(Figure 04)**

  - Triangle number:
    - Display a input box to input number. **(Figure 05)**
    - Calculate and display the triangle number. **(Figure 06)**
    - Hide the input box and return to the menu selection after displaying the result. **(Figure 06)**

- Ensure that the menu reappears after performing a calculation until the user selects the exit option (0 - exit). **(Figure 07 & Figure 08)**

Figure 01

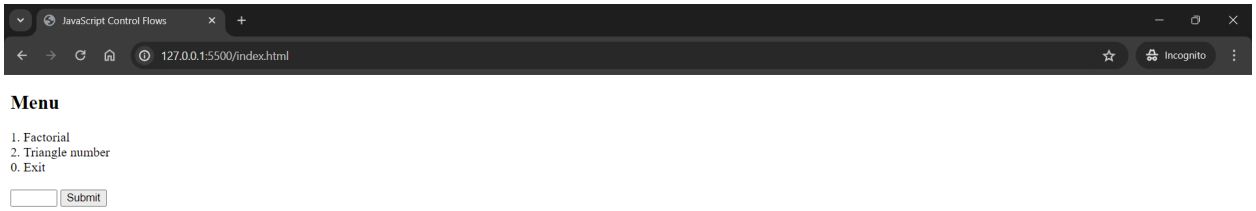

Figure 02

Figure 03

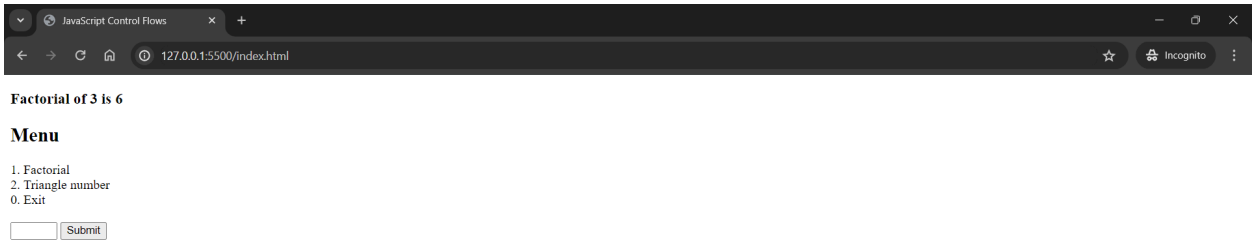

Figure 04

Figure 05

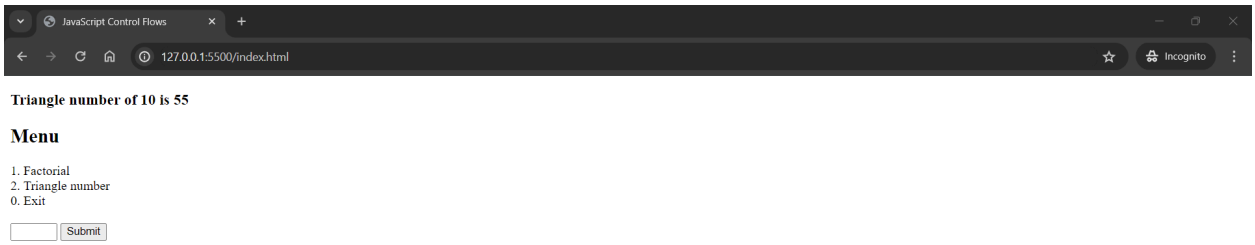

Figure 06

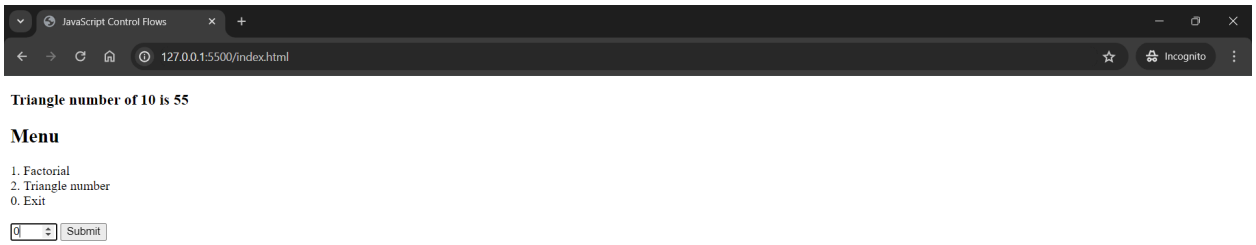

Figure 07

Figure 08