

# MODERN CALCULATOR

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**Technologies Used:** HTML,  
CSS, JAVASCRIPT

# INTRODUCTION

- The Modern Calculator is a web-based application.
- It performs basic arithmetic operations: addition, subtraction, multiplication, division.
- Designed with a clean UI and responsive layout.

# OBJECTIVES

- Create an interactive and user-friendly calculator.
- Implement real-time calculations.
- Provide a responsive and modern interface.

# TECHNOLOGIES USED

- HTML – structure of the calculator
- CSS – styling and layout
- JavaScript – logic and functionalities

# **SYSTEM REQUIREMENTS**

- Web Browser (Chrome, Firefox, Edge)
- Code Editor (VS Code, Sublime Text)

# WORKING PROCESS

- User inputs numbers through on-screen buttons.
- JavaScript handles arithmetic logic.
- Display updates dynamically based on user actions.

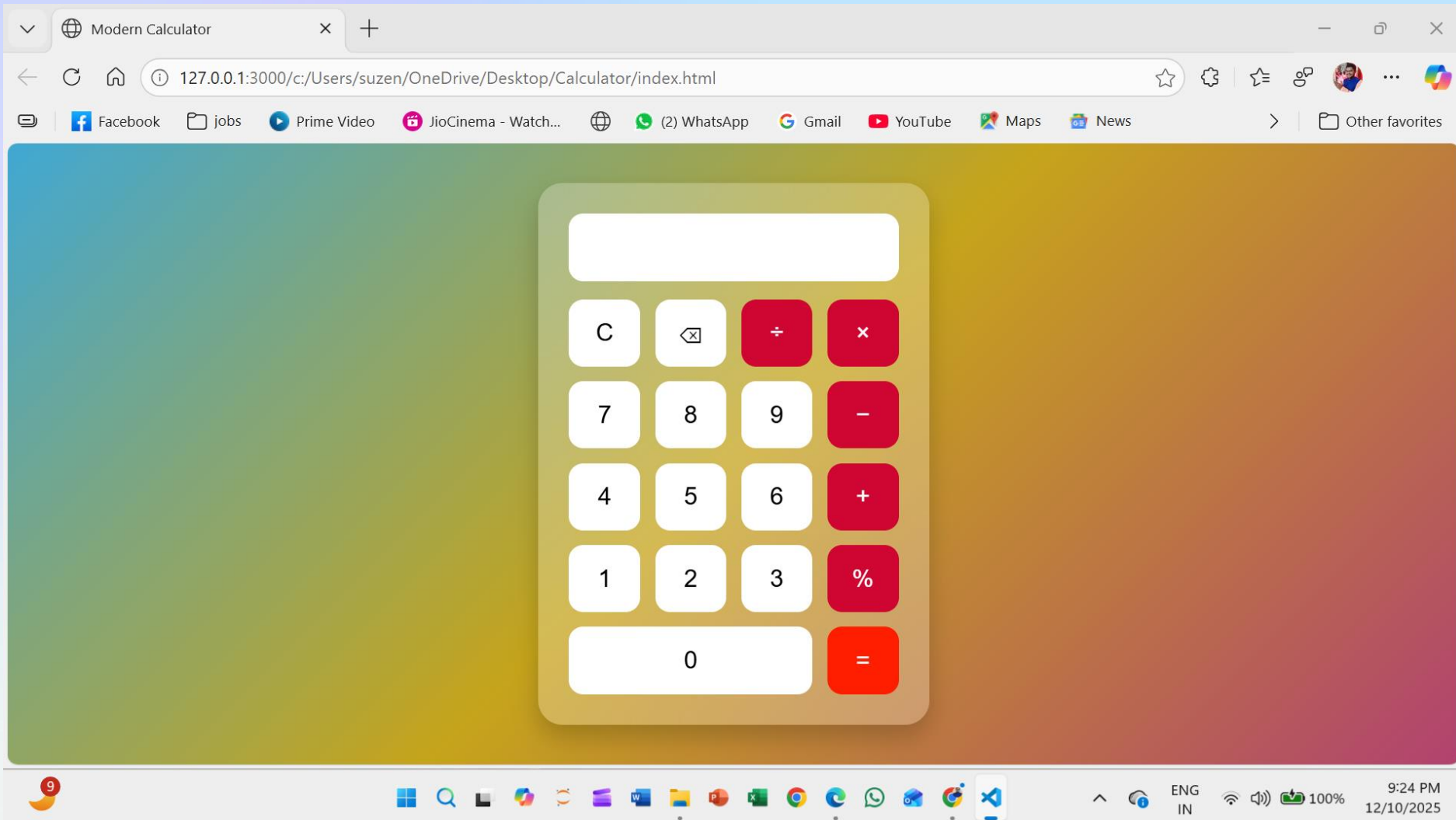
# FEATURES

- Real-time result display
- Clear and reset functions
- Responsive design for all devices

# CODE OVERVIEW

- HTML: Button layout and structure
- CSS: Styling for UI
- JavaScript: Event listeners and operations

# OUTPUT SCREENSHOT



# CONCLUSION

- The project demonstrates fundamental web development skills.
- It can be expanded with advanced features like scientific mode.

# REFERENCES

- **MDN Web Docs – JavaScript Guide**

Provides detailed documentation about JavaScript functions, events, DOM, and arithmetic operations.

- **W3Schools – HTML, CSS & JavaScript Tutorials**

Used for understanding layout creation, styling, and basic scripting logic for calculator UI.

- **Stack Overflow Developer Discussions**

Helped resolve issues related to event handling, button clicks, and expression evaluation.

- **CSS-Tricks – Flexbox & Grid Layout Guides**

Used for designing a responsive calculator layout using modern CSS techniques.

- **GeeksforGeeks – JavaScript Math & DOM Concepts**

Helpful for understanding mathematical functions and browser manipulation.

- **YouTube Tutorials on Web Calculator Development**

Visual guidance for building responsive UI and applying JavaScript logic.

- **GitHub Repositories of Open-Source Calculator Projects**

Used for reference in project structure and feature enhancement ideas.



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