

# Analog Clock

## ➤ Project Overview:

The Analog Watch project is a simple implementation of an analog clock using HTML, CSS, and JavaScript. It displays the current time in hours, minutes, and seconds with hands that move accordingly. The project is beginner-friendly and serves as a great exercise for understanding basic web development concepts.

## ➤ Project Structure:

- [HTML \(index.html\)](#):
  - ✓ Contains the structure of the webpage.
- [CSS \(style.css\)](#):
  - ✓ Defines the styling for the analog clock elements.
  - ✓ Positions the clock hands and styles them for visual appeal.
- [JavaScript \(index.js\)](#):
  - ✓ Contains the logic for updating the clock hands based on the current time.
  - ✓ Uses JavaScript's Date object to retrieve the current time.
  - ✓ Calculates the rotation angles for the hour, minute, and second hands.

## ➤ Implementation:

- [HTML](#):
  - ✓ The HTML file provides the basic structure of the webpage.
  - ✓ It includes a container div for the analog clock with appropriate ID for styling and manipulation through JavaScript.
- [CSS](#):
  - ✓ The CSS file defines the visual appearance of the analog clock.
  - ✓ It styles the clock hands (hour, minute, second) using CSS transforms for rotation.
- [JavaScript](#):
  - ✓ The JavaScript file handles the dynamic behavior of the analog clock.
  - ✓ It retrieves the current time using the Date object.
  - ✓ Calculates the rotation angles for the hour, minute, and second hands based on the current time.
  - ✓ Updates the rotation angles of the clock hands using CSS transformations.

## ❖ ANALOG CLOCK SCREENSHOT:

