**DIGITAL CLOCK WITH ALARM (SYNOPSIS)**

This HTML document creates a simple digital clock with an alarm feature using JavaScript. Here's a brief synopsis:

**Structure:**

***1. HTML Head Section:***

- The document has meta tags for generator, author, keywords, and description.

- The title of the document is "New Document".

***2. JavaScript:***

- Defines functions to handle the clock and alarm operations:

- GetTime(): Updates the current time every second.

- IfZero(num): Adds a leading zero to single-digit numbers.

- alarmSet(): Sets the alarm time based on user input.

- alarmOn(): Checks if the current time matches the alarm time and plays the alarm sound.

- alarmOff(): Turns off the alarm sound.

- snooze(): Sets the alarm to snooze for a user-defined duration.

- The window. onload event triggers the GetTime() function to start the clock when the page loads.

***3. HTML Body:***

- Contains a form within a table to display the clock and manage the alarm settings:

- An input field displays the current time.

- Radio buttons to turn the alarm on or off.

- Dropdown menus to select the hour and minute for setting the alarm.

- An input field to choose the alarm sound file.

- A dropdown menu to select the snooze duration.

***4. Sound Element:***

- An element (<bgSound>) with an id of "sound" is used to play the alarm sound.

***5. Functionality:***

- The current time is displayed and updated every second.

- Users can set an alarm time by selecting the hour and minute from dropdown menus.

- An alarm sound can be selected from the user's file system.

- Users can turn the alarm on or off using radio buttons.

- The snooze feature allows the alarm to be set to ring again after a specified duration.