



GETUP

A math equation alarm clock

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Demo

html 5

Custom Logic

Canvas

The HTML `<canvas>` element (introduced in HTML5) is a container for canvas graphics.

Audio

The HTML5 `<audio>` element specifies a standard way to embed audio in a web page.

```
function changeSource()
{
    if (!alarmRinging)
    {
        audio.src = 'audio/alarm.mp3'
        alarmRinging = true;
    }
}
function turnOffAlarm()
{
    audio.src = 'audio/silence.mp3'
    alarmRinging = false;
}
```


Custom Logic

Check alarm time

```
if(timeSet)
{
    timeSet = false;
    alarmHour = num[0] * 10 + num[1];

    alarmMinute = num[2] * 10 + num[3];
}
d = new Date();
if(alarmHour == d.getHours() && alarmMinute == d.getMinutes() && alarmSet == true)
{
    console.log('1');
    alarmOn = true;
}
```

Orientation warning

```
if (canvas.width > canvas.height)
{
    alert("Please turn your device to portrait orientation and refresh the page. Thank you.")
}
```

Wrap up

