# Clockwork, part i

Your company is excited to be working with the manufacturer of a new funky wall clock. The clock face is like a normal clock except it has no hands. In their place there are 60 RGB LEDs evenly spaced around the circumference of the clock face, each LED as well as being RGB is also capable of displaying at normal or bright levels.

It is the intention that over time new dynamic functionality will be added to the clock controllable via a web site, but the manufacturer is still working on their drivers.

The manufacturer has outsourced the writing of the application software to your company. To help with this they have provided the below initial interface definition for the drivers they are developing for the clock.

They want you initially to develop a function to display an input time on the clock in hour and minutes (i.e. no seconds). They have specified they want the minutes to be displayed as a bright LED and the hour as a normal LED.

public interface ILedClockDriver

{

///<summary>

/// position must be between 0 and 59 otherwise an

/// InvalidArgumentException will occur

///

/// Currently there can only be one bright and one normal

/// LED showing. Calling this method will automatically /// turn off the currently on bright or normal

/// LED

///

/// In the event of multiple calls to this method with /// the same position the last call will take precedence /// i.e. bright would replace normal and normal would

/// replace bright

///</summary>

void showLed(int position, bool isBright);

}

Available at: <https://github.com/chrisclarknhsnet/codingchallenges/tree/main/Clockwork_Drivers_Part1/Redistributable>