

Exercise 11

11a:

According to the document

<https://www.ti.com/lit/an/sbaa565/sbaa565.pdf>

I2C is a 2-way communication protocol using serial data line (SDA) and serial clock line (SCL). In this exercise, it is the protocol via which the text is communicated to the LCD.

11b:

Some ways in which computational power can be conserved:

- Write all non-changing text on the LCD only once (in our code: "Temperature" and "°C") and update only the values that change.
- Decrease the rate of updates.
- Using the string data type instead of the String object unless necessary.
- It might be possible to update the LCD asynchronously, which might remove the need for delay() in which the Arduino board does nothing.

11c:

See code ex11_anssi

