



Additional Coding Activity 1

The client asked for the steel to be tempered.

Tempering may be performed at steelworks to modify the properties of the steel. This processes primarily focus on changing the mechanical properties of the steel, but it can also affect its color to some extent.

Your task it to change the colour of the steel to purple.

You need to alter the code for “Rolling Mill” in lines 58-60 to get desired colour by changing the values of red, green and blue. Each value can vary between 0 (least amount of this colour) to 255 (most amount of this colour).

For example, to get pure red you need to set the following:

Red: 255,

Green: 0,

Blue: 0

Upload the code to your Arduino Nano and see how it works!



Additional Coding Activity 2

You are a part of marketing team and came up with idea of creating big message of the main office building.

Think of a message that will promote Liberty Galati and that is associated with company being retrofitted.

Example: “Liberty Galati- A place where steel becomes green”

Your task is to change the message that is displayed on the matrix display on the Office building.

Find “Office” code and change message on the display. Can you find which line is responsible for changing the text?

HINT:

Right now the text displayed on the display is “LIBERTY Galati”.

Upload the code to your Arduino Nano and see how it works!