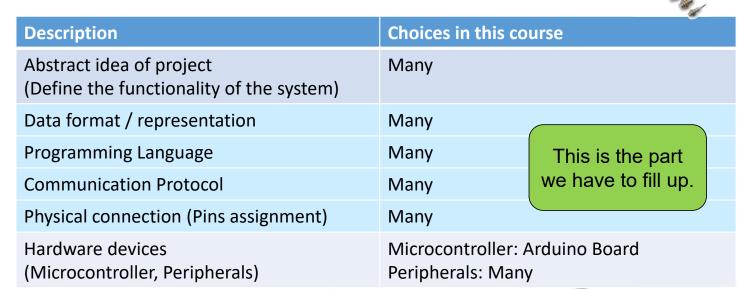
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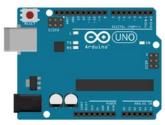
Design architecture of an embedded system

We have to consider 6 components but not limited to these



Components

Products

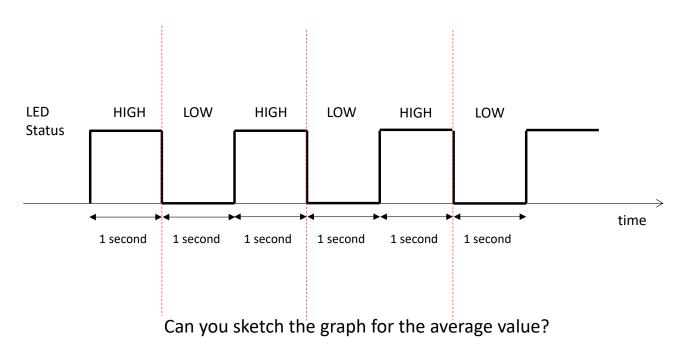


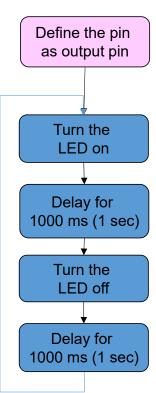




Timing diagram in the modified blinking LED sketch

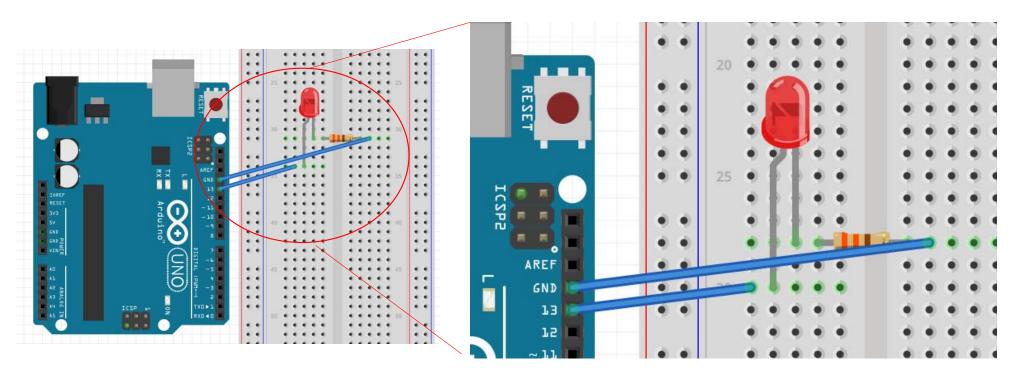
Its timing diagram is shown as below.





Arduino board with the external devices.

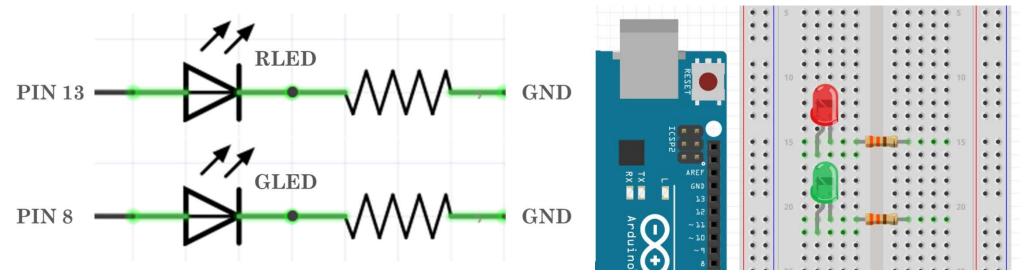
Step 1: Connect the following circuit



Circuit with two LEDs

If we want to add one more LED, say, pin 8.

What you need to do?



Pedestrian Light Exercise

You will see pedestrian light everyday.

Can you modify your previous LED sketch to simulate Pedestrian Light?



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Traffic Light Exercise

You will see traffic light everyday.

It consists of Red, Yellow and Green Lights
What is the sequence of lighting?

