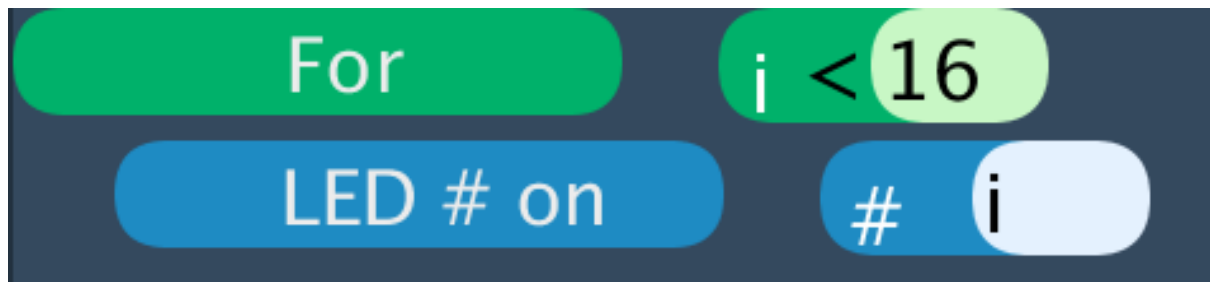


## Exercise 3: Turn all LEDs

### Exercise:

Now you must make a program to switch on all the LEDs. You might have already noticed that the LED # on button only allows you to switch on one LED. You must come up with a solution that allows you to switch all of them.

In this exercise, you are required to make a sketch that switches on all the LEDs for this you will require a for loop in order to loop through all the pin values and switch all of them on.



The sketch above uses a for loop to loop through all the LED pins and switch on each of them individually. You may also use a while loop instead of the for loop. Notice that the condition is that it must loop till  $i < 16$  this is because there are only 15 LEDs.