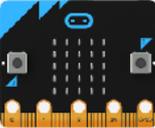
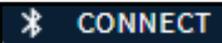


1  Click 'ADD DEVICE'
Select device(s) from list

2  Connect the micro:bit battery

3  Click 'CONNECT'

4  Select device from list
Click 'Pair'

Create a variable to use within your code

1

Create variable...

New variable name:

'userInput'

Remember: variables have no spaces and a capital letter on the first letter of the second word.



2

From
'micro:bit'
'Events'

```
when micro:bit A is pressed
  set userInput to
```

From
'Variables'

You'll find the variable you created in the 'Variables' tab.



3

This text will pop up when you run the program!



```

when micro:bit A is pressed
  set userInput to prompt for text with message " what is your name? "
  on micro:bit display userInput
  
```

From 'micro:bit' 'Actions'

From 'Variables'

From 'General'

Test your program!

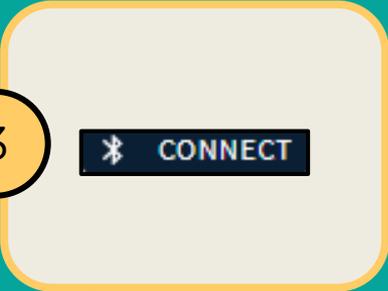


1 

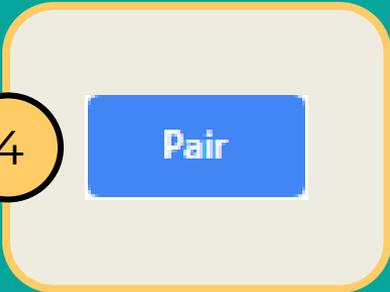
Click 'ADD DEVICE'
Select device(s) from list

2 

Turn on the Light Sensor

3 

Click 'CONNECT'

4 

Select device from list
Click 'Pair'

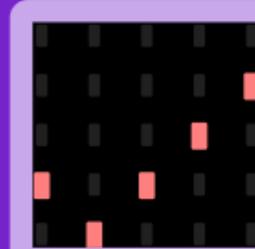


Can you help me check my Cyber Scanner is working correctly by setting up the micro: bit test?

This block is already on the workspace from Let's Build

when micro:bit **A** is **pressed**

on micro:bit display



'yes'

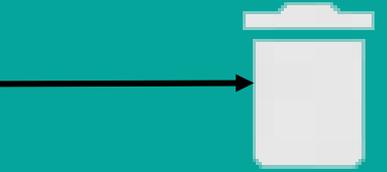
When you press 'A' on the micro: bit, does it display a check mark?





First, remove the 'prompt' block by dragging to the trash.

```
prompt for text with message " what is your name? "
```



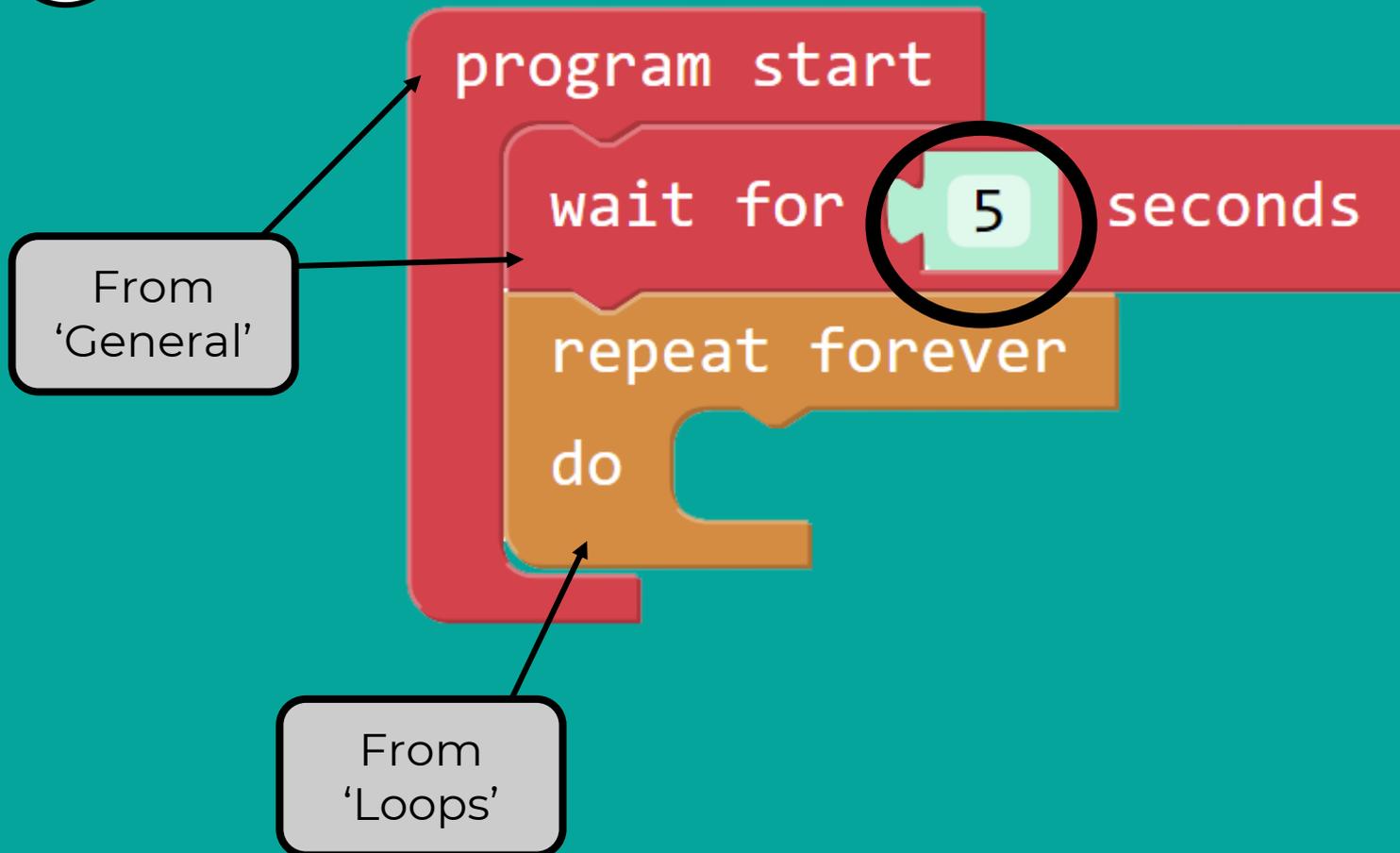
Your workspace will then look like this:

```
when micro:bit A is pressed  
  on micro:bit display
```

```
set userInput to  
on micro:bit display userInput
```

Code a program that will show Sam the path with the most light

1



2

```
program start
  wait for 5 seconds
  repeat forever
  do
    set userInput to [ ]
```

- userInput
- Rename variable...
- Delete the 'userInput' variable

Drag this block back up from where it was waiting on the workspace!

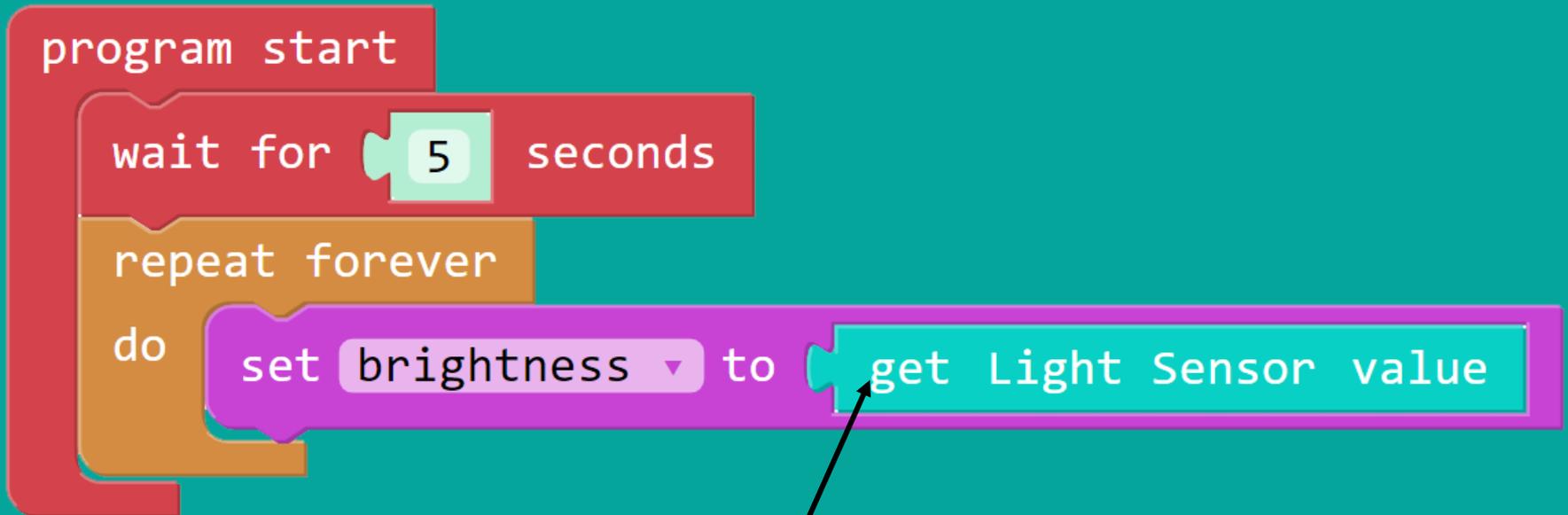
First un-snap it from:

```
on micro:bit display ( userInput )
```



Rename all 'userInput' variables to:

3



From 'Light
Sensor' 'Values'

4

```
program start
  wait for 5 seconds
  repeat forever
  do
    set brightness to get Light Sensor value
    on micro:bit display brightness
    wait for 2 seconds
```

Drag this block back up from where it was waiting on the workspace!

Select from the drop-down

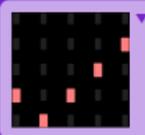
From 'General'





Can you narrate your program?

```
when micro:bit A is pressed
  on micro:bit display
```



```
program start
  wait for 5 seconds
  repeat forever
  do
    set brightness to get Light Sensor value
    on micro:bit display brightness
    wait for 2 seconds
```