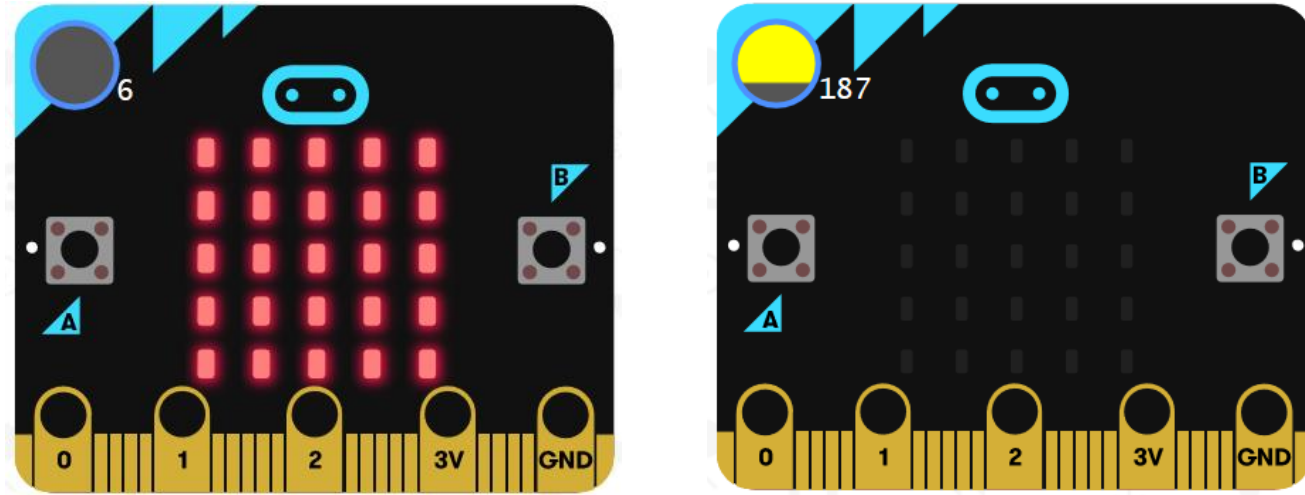




## Section 8. Microbit light sense lamp

- 1、Achieve the goal
- 2、Preparation before class
- 3、Block programming

## Section 8. Microbit light sense lamp

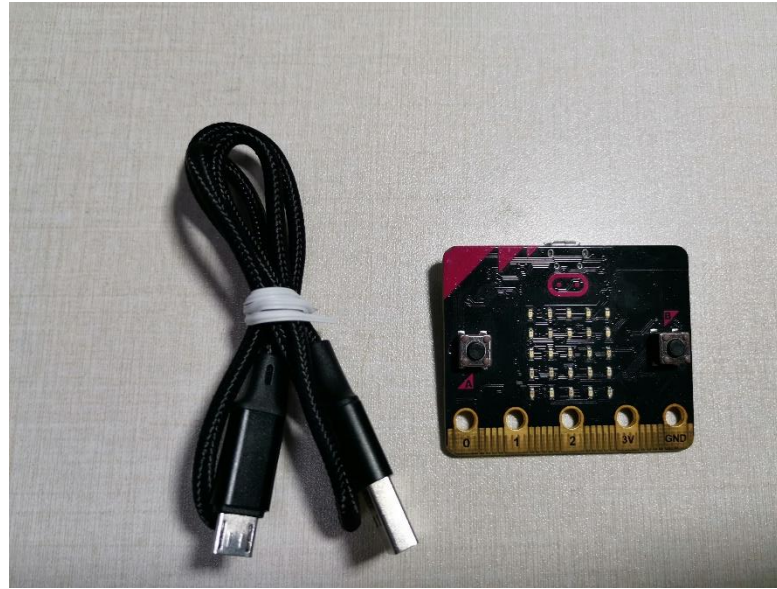


### 1、Achieve the goal

When the brightness is too low, the LED lights on the microbit screen light up completely

When the brightness is high, all the LED lights on the microbit screen go off

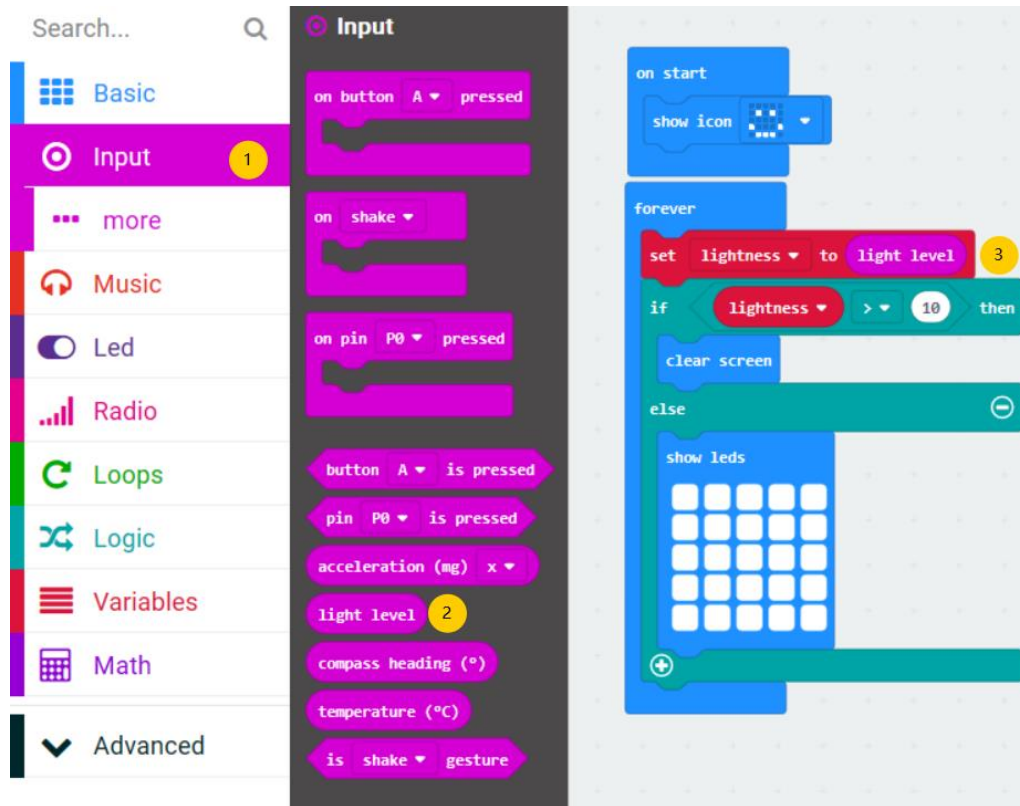
## Section 8. Microbit light sense lamp



### 2、Preparation before class

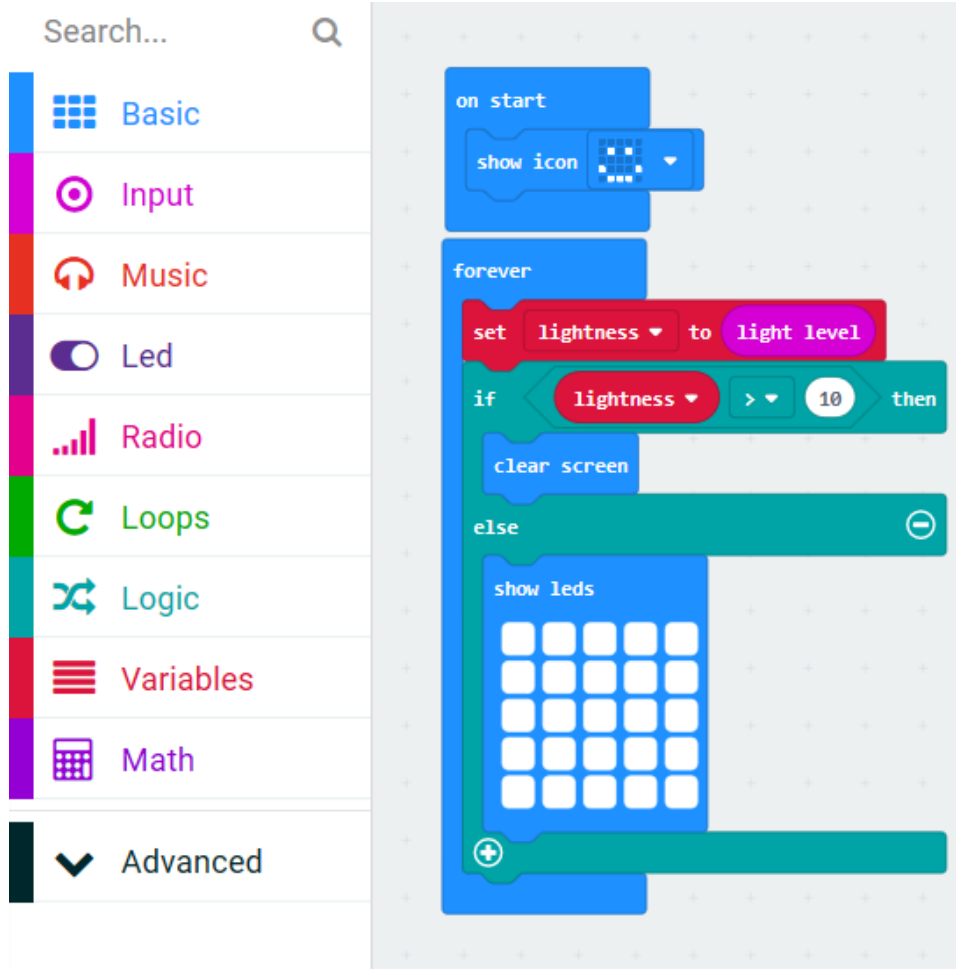
prepare a microbit motherboard, a USB cable,  
and a computer

## 3. Block programming



1. Through the previous study, we know how to pull the corresponding building block, so how to get the light brightness?

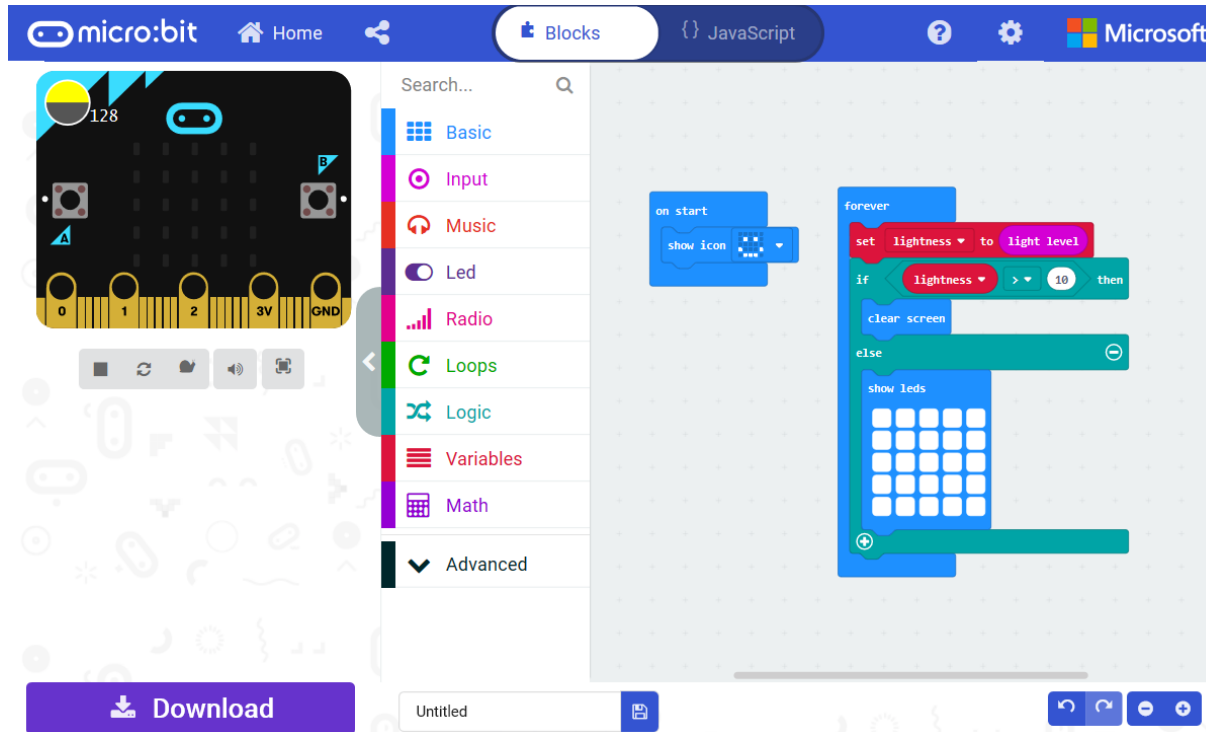
2. In the input block pack, the program block labeled 2 can return an integer representing the brightness



## 3、Block programming

3. When the it is turned on, display a polite smiley face and assign the value returned by the brightness level to the variable 'brightness'.  
Determine whether the screen lights up by judging the 'brightness' value of the blocks

# Section 8. Microbit light sense lamp



Download  
experience

1. Click "download" to download the program to microbit, and you can see the results of your programming

# Section 8. Microbit light sense lamp

Did your  
program  
work ???

Can the  
brightness of  
the screen  
change slowly  
as the light  
changes? Use  
your  
imagination  
and start  
creating!