Section 10. Microbit temperature emojis

1、Achieve the goal

2、Preparation before class

3、Block programming

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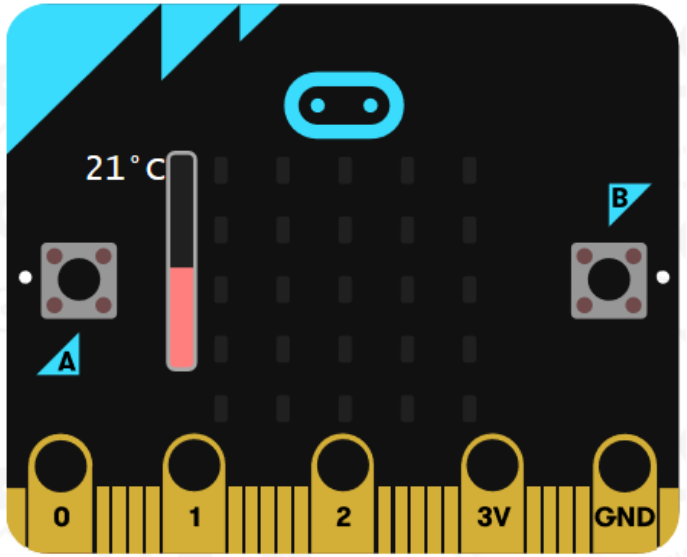

1、Achieve the goal

When the temperature is too high or too low, the microbit screen displays an uncomfortable emoji

When the temperature is just right, the microbit screen displays a happy emoji

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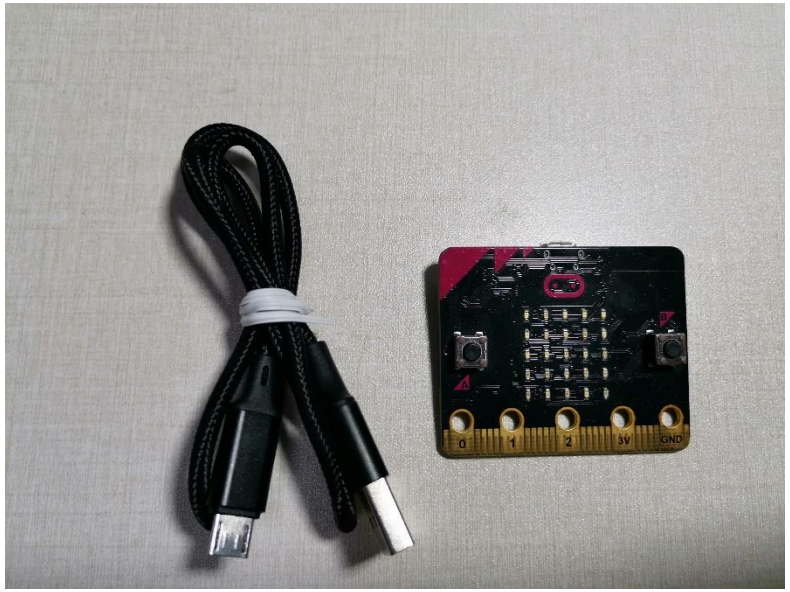

2、Preparation before class

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

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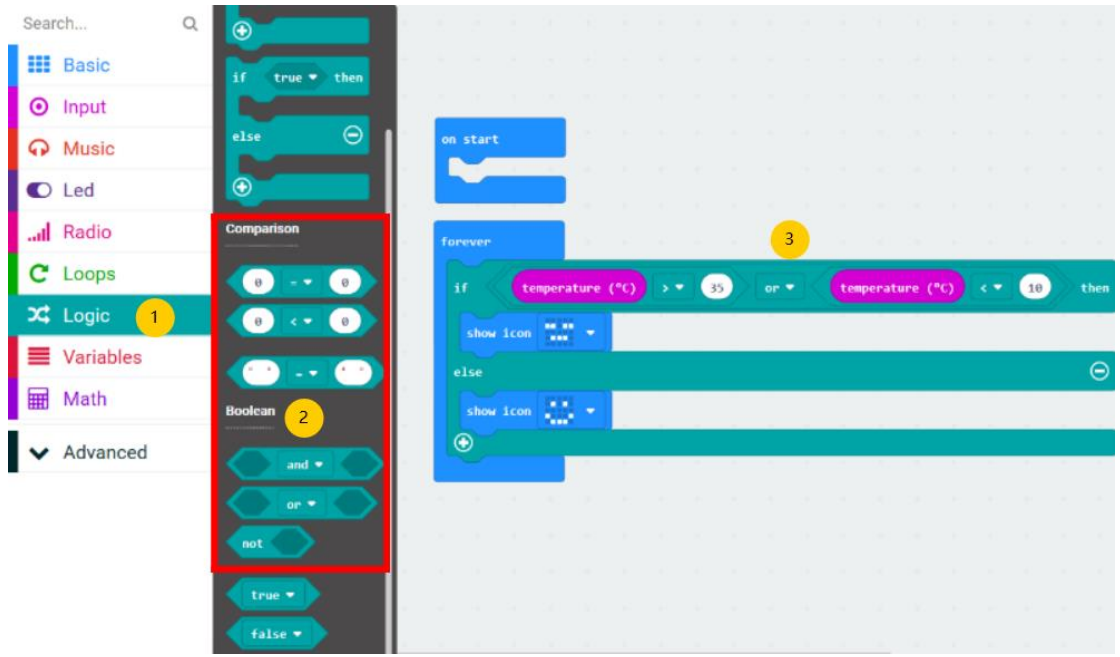
3、Block programming



1, have you found the number 3 building blocks are very long, how does it stack with building blocks?

2. In the logic package, there are two kinds of program building blocks: comparison and Boolean value. Comparison is used to compare the two values before and after.

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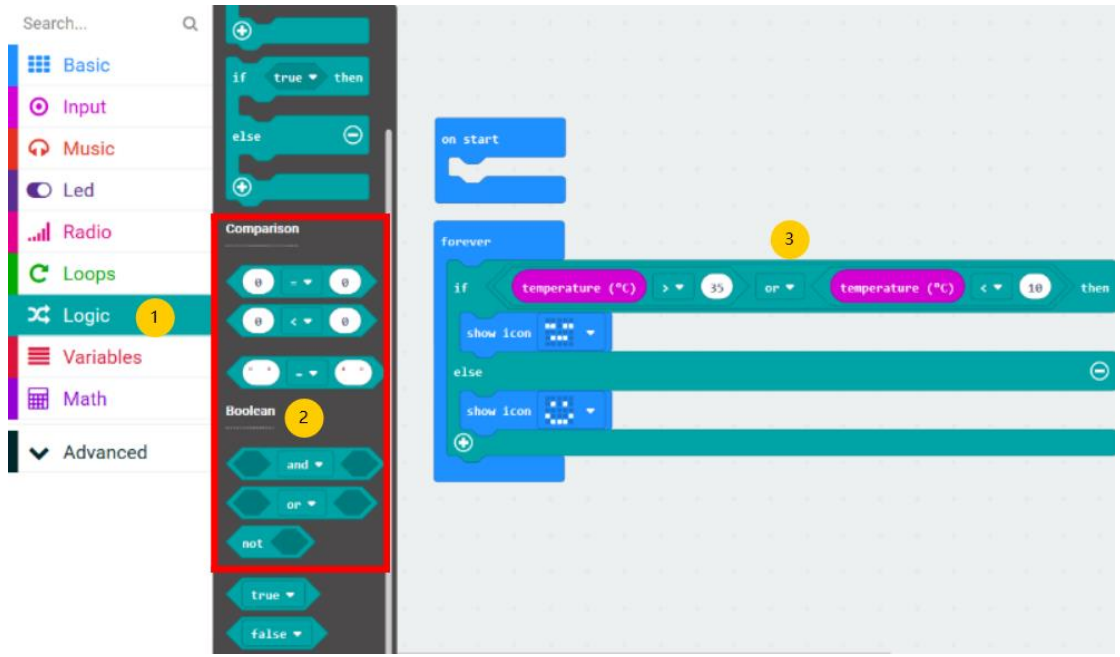
3、Block programming



3. Boolean 'and', 'or', 'non' program blocks are used to set the output relationship between the two blocks in the front and back boxes, so as to output different values

4. For example, in sequence 3, or is preceded by a comparison temperature greater than 35, followed by a comparison temperature less than 10. So when the temperature is 40, the previous comparison is correct, the latter is false, because it is or, so the whole thing is correct

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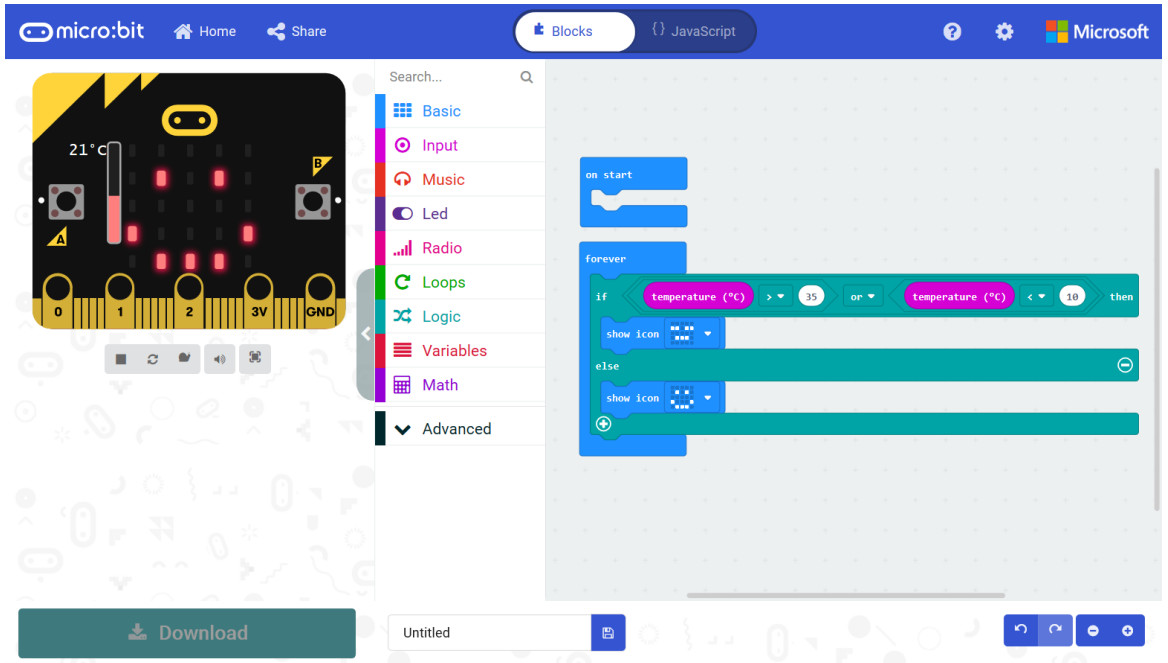

Download experience

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

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Did your program work ??

Do you know the use of "and", "or" not "in a program?
get help from a teacher or computer to start learning!!