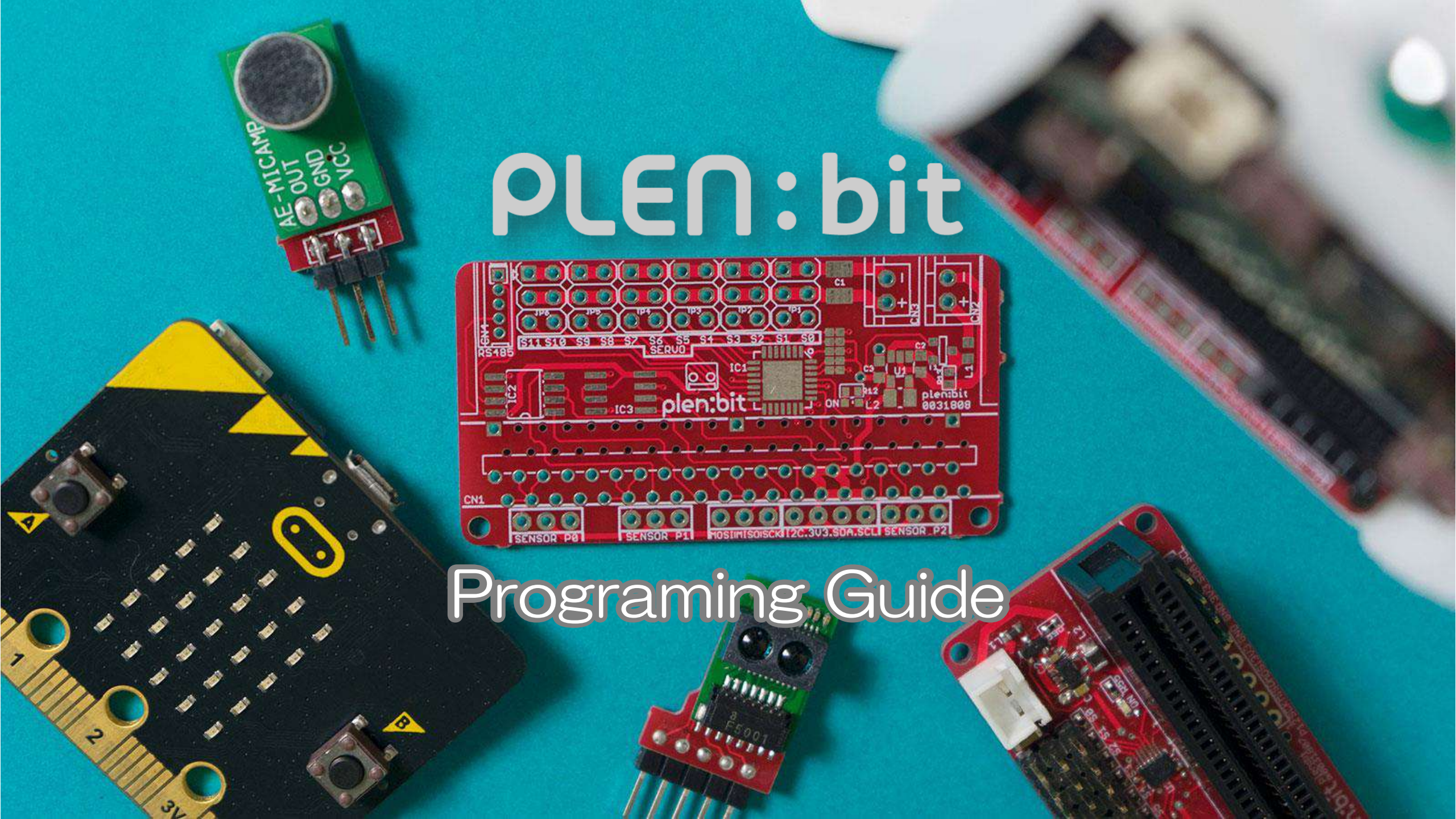


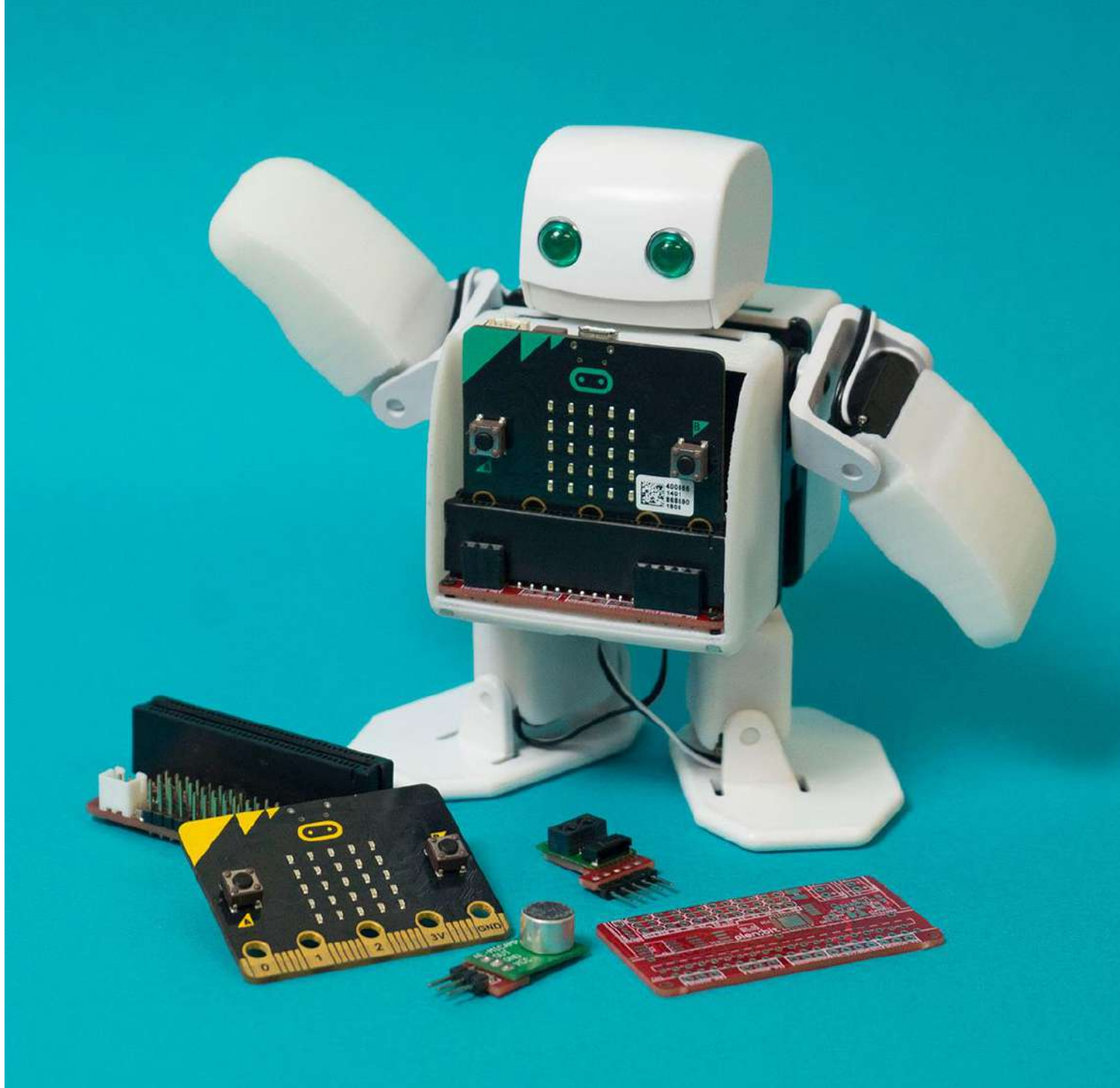
plen:bit

Programing Guide

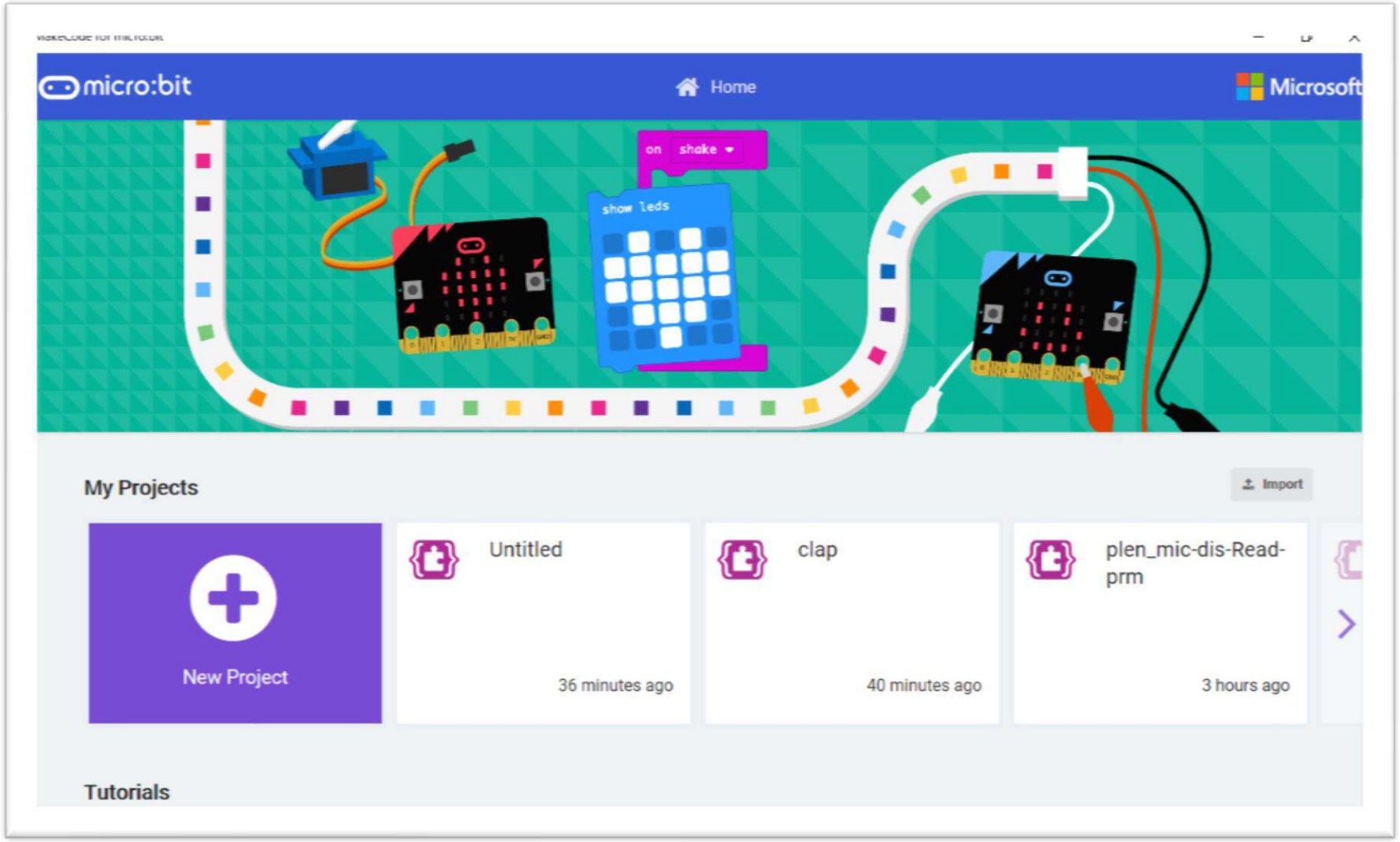
About PLEN:bit

PLEN:bit is a small humanoid robot with movable arms and legs.

Anyone can easily use PLEN:bit through programing and onboard sensors.

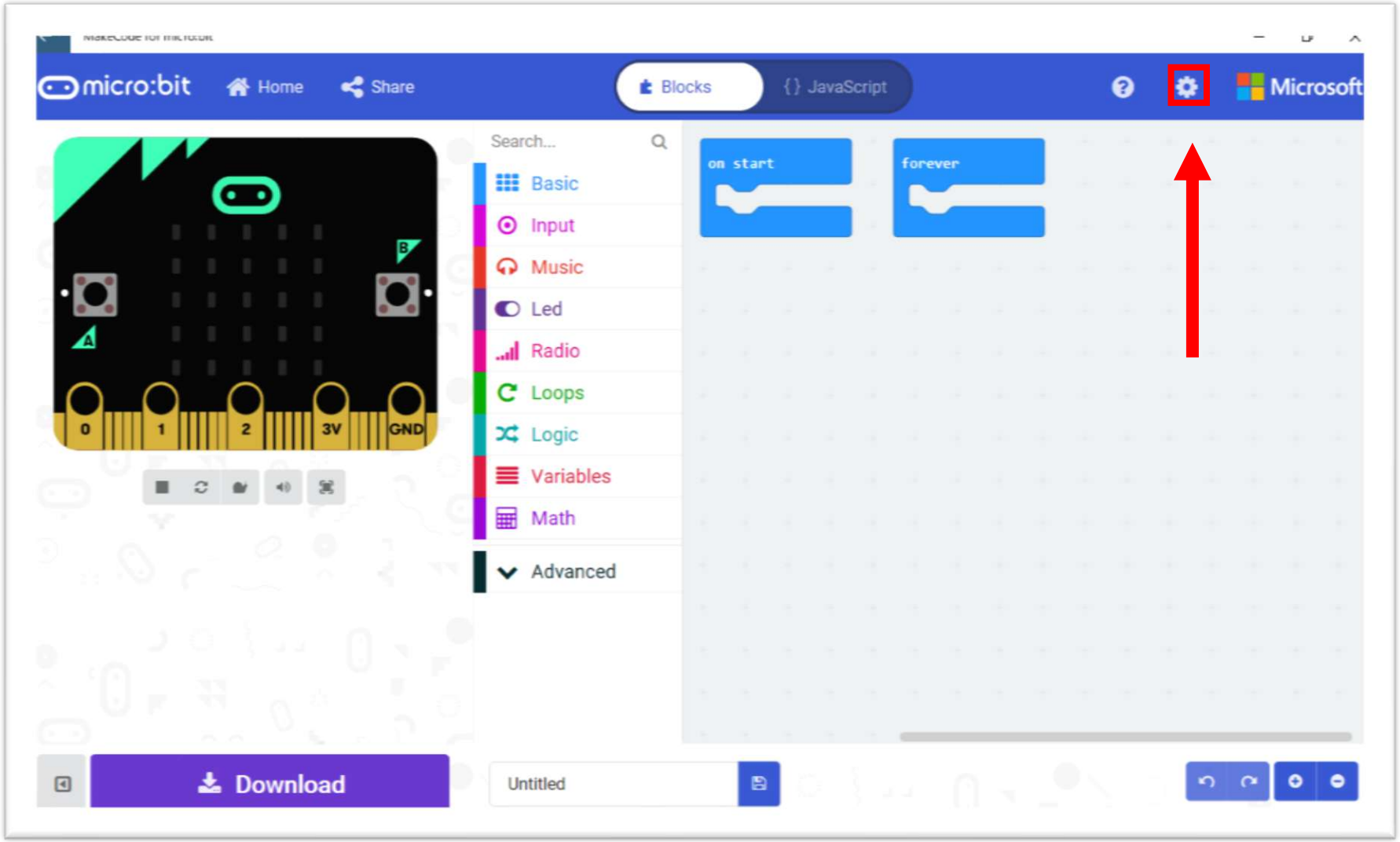


How to PLEN:bit - Connect to micro:bit -



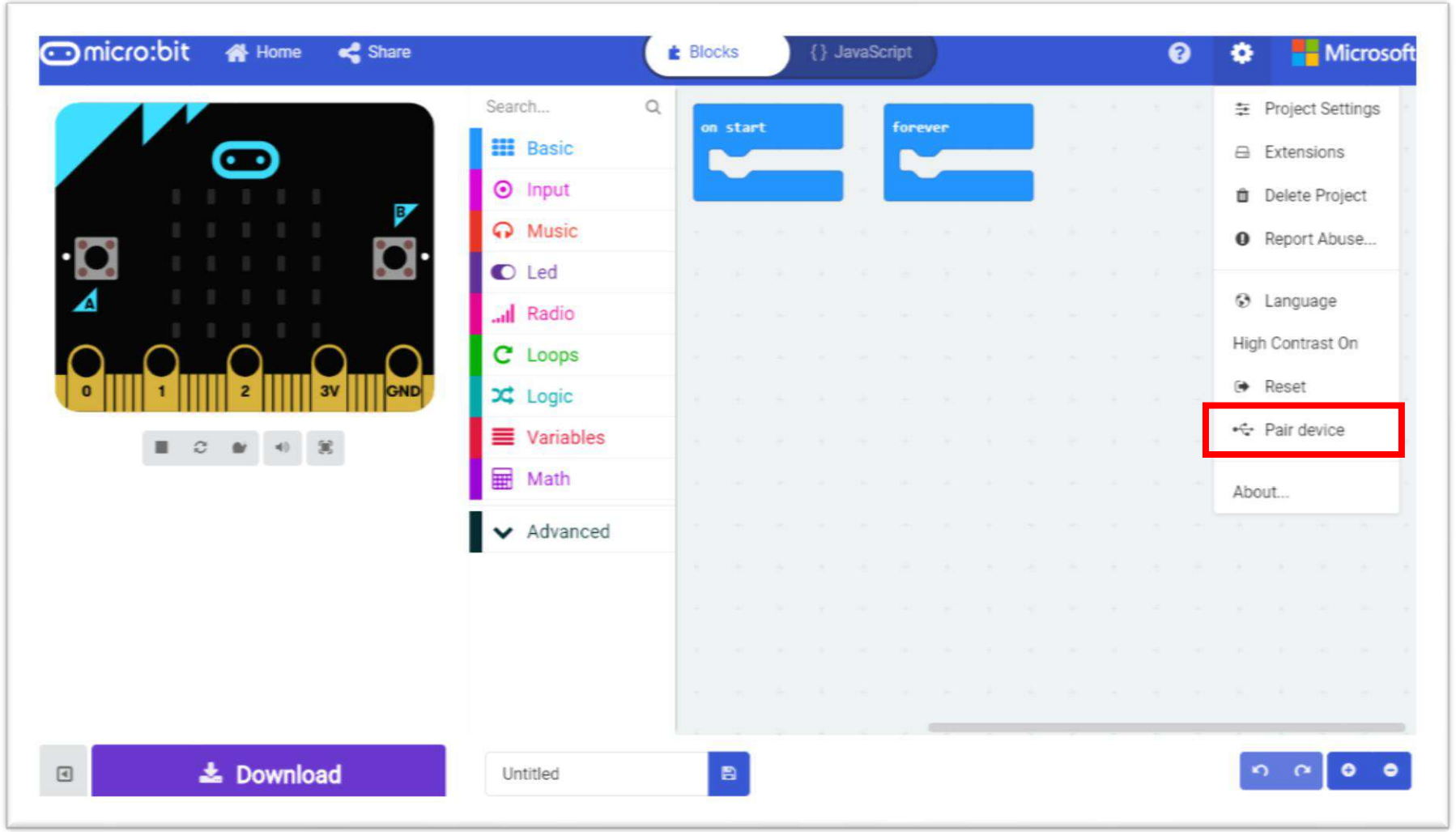
Go to Access https://makecode.microbit.org/ & Click the「+」button

How to PLEN:bit - Connect to micro:bit -



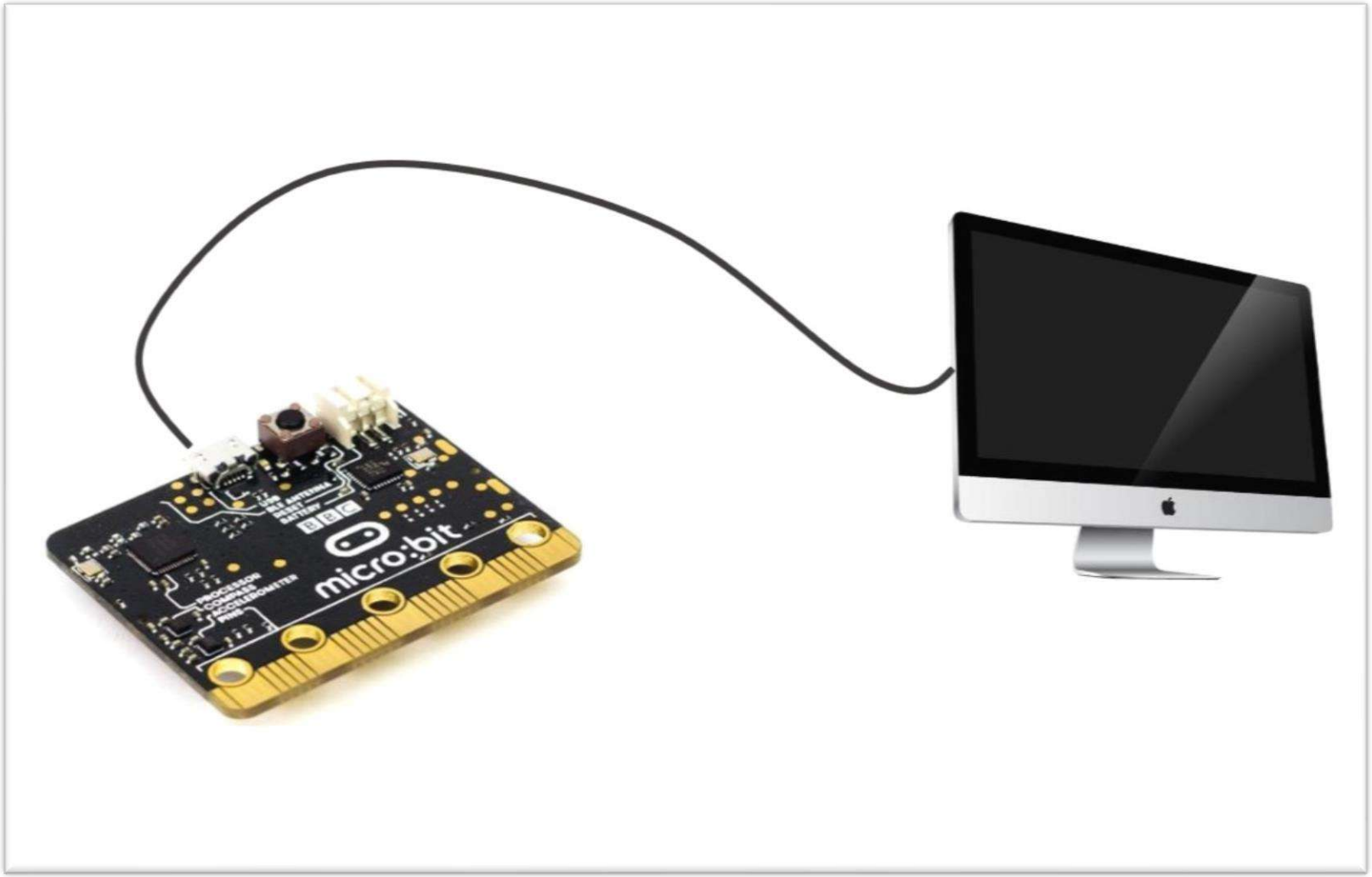
Click the "Gear Mark" at the top right inside the screen

How to PLEN:bit - Connect to micro:bit -



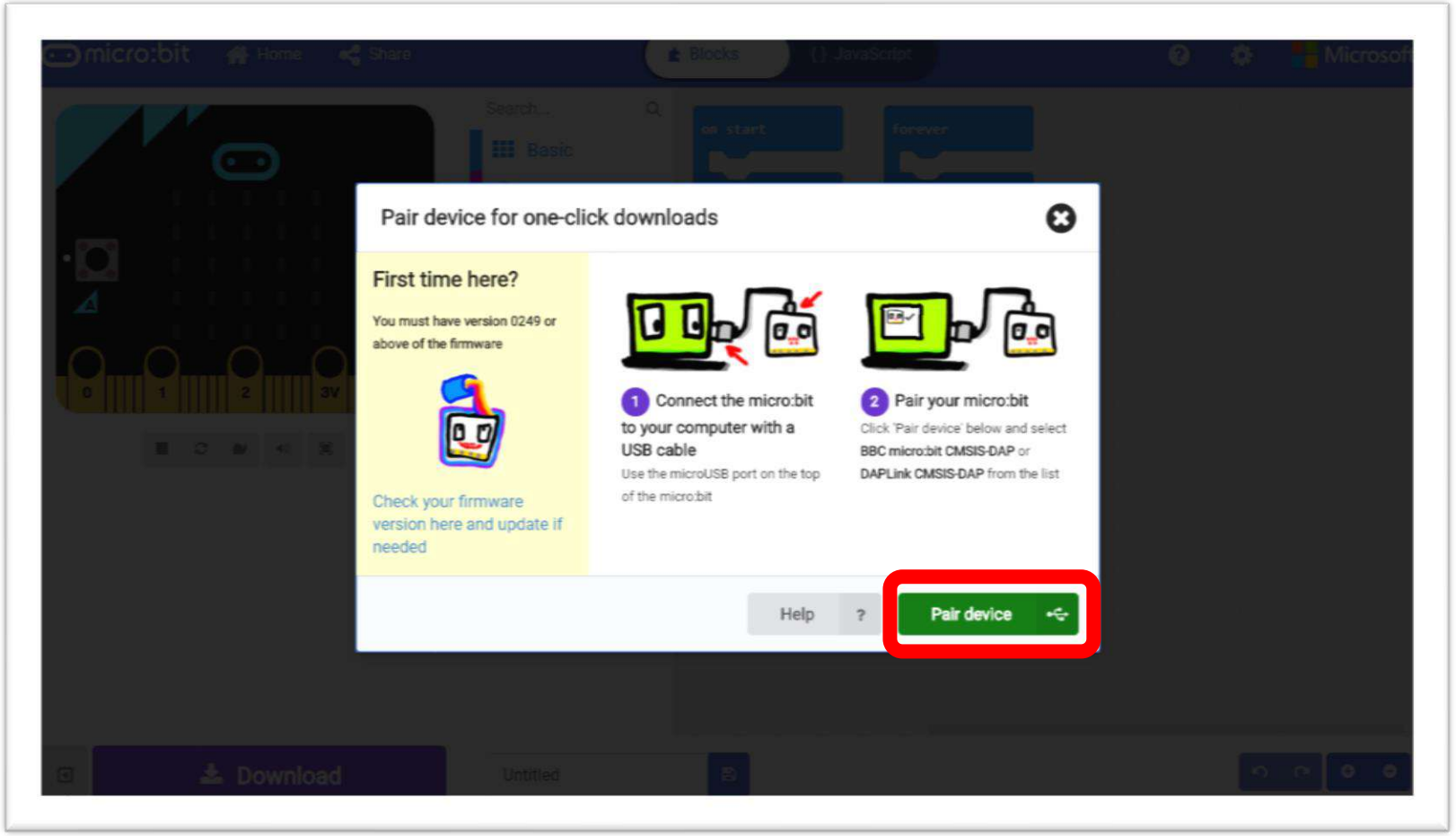
Click “Pair device” from the menu

How to PLEN:bit - Connect to micro:bit -



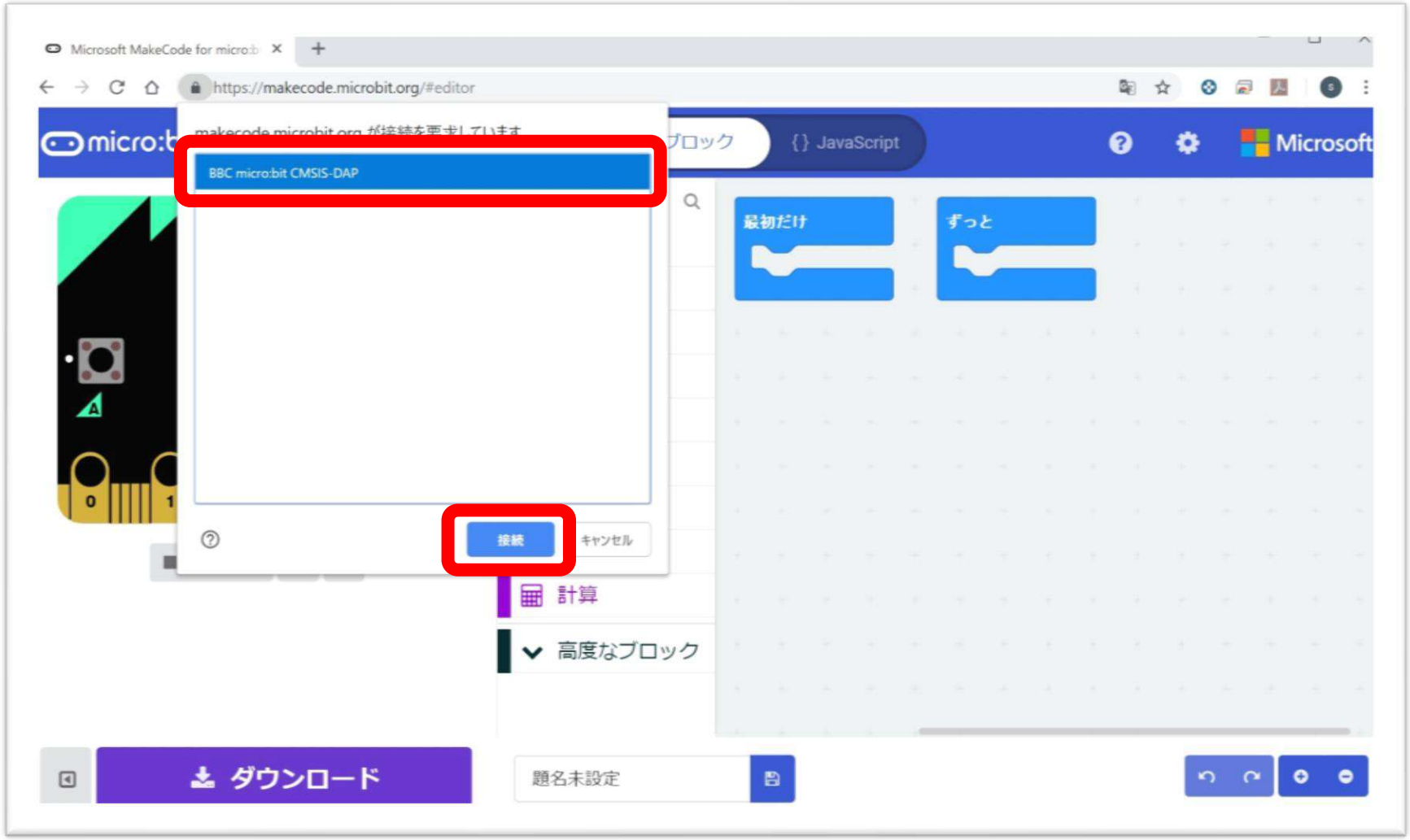
Connect micro:bit & PC with USB cable

How to PLEN:bit - Connect to micro:bit -



Click “Pair device” Button

How to PLEN:bit - Connect to micro:bit -

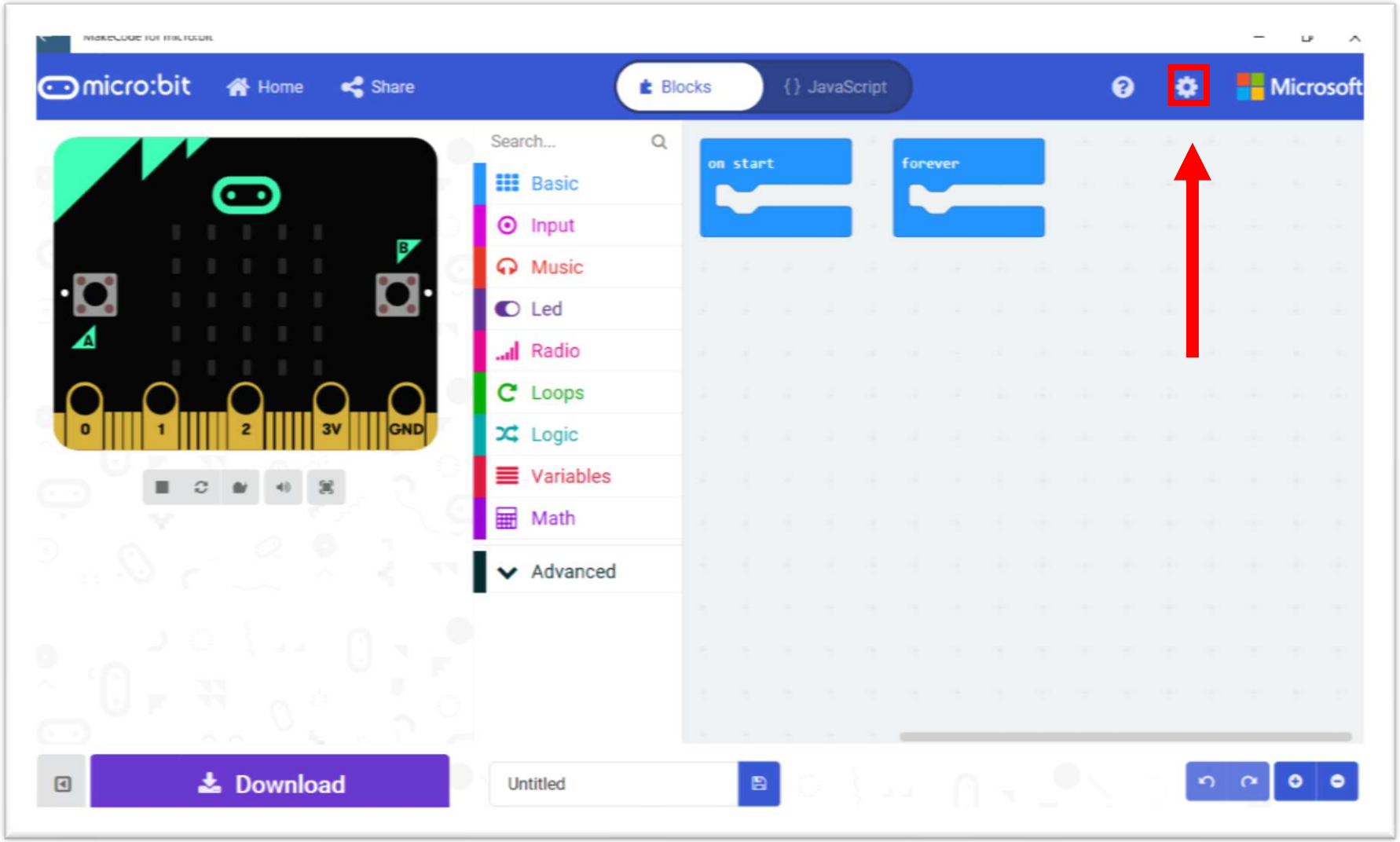


Select to micro:bit & Click “Pair Connect” Button

How to PLEN:bit - Connect to micro:bit -

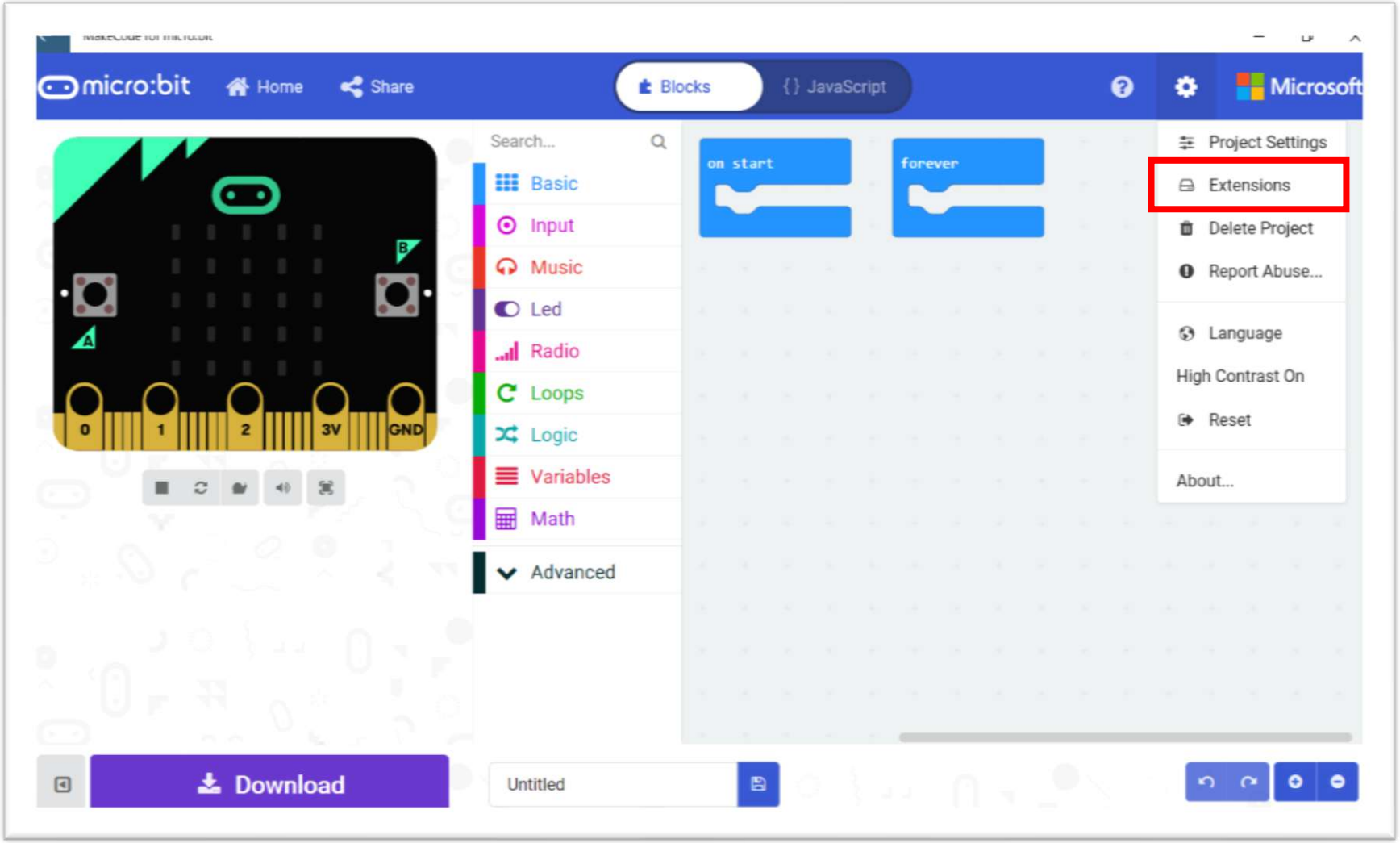
Click ″Download″ to confirm that the program is transferred

How to PLEN:bit - Add PLEN:bit Block -



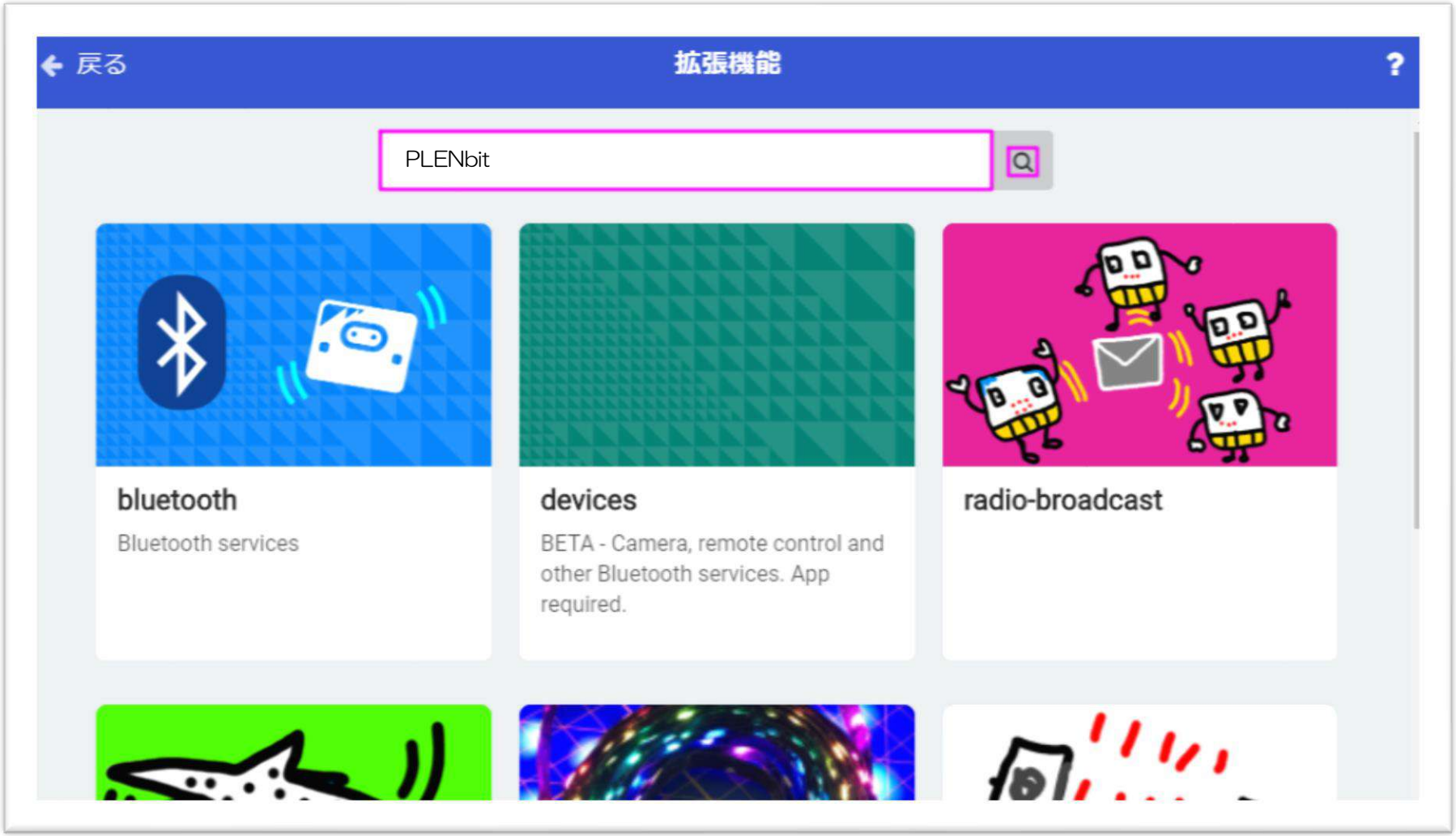
Click the "Gear Mark" at the top right inside the screen

How to PLEN:bit - Add PLEN:bit Block -



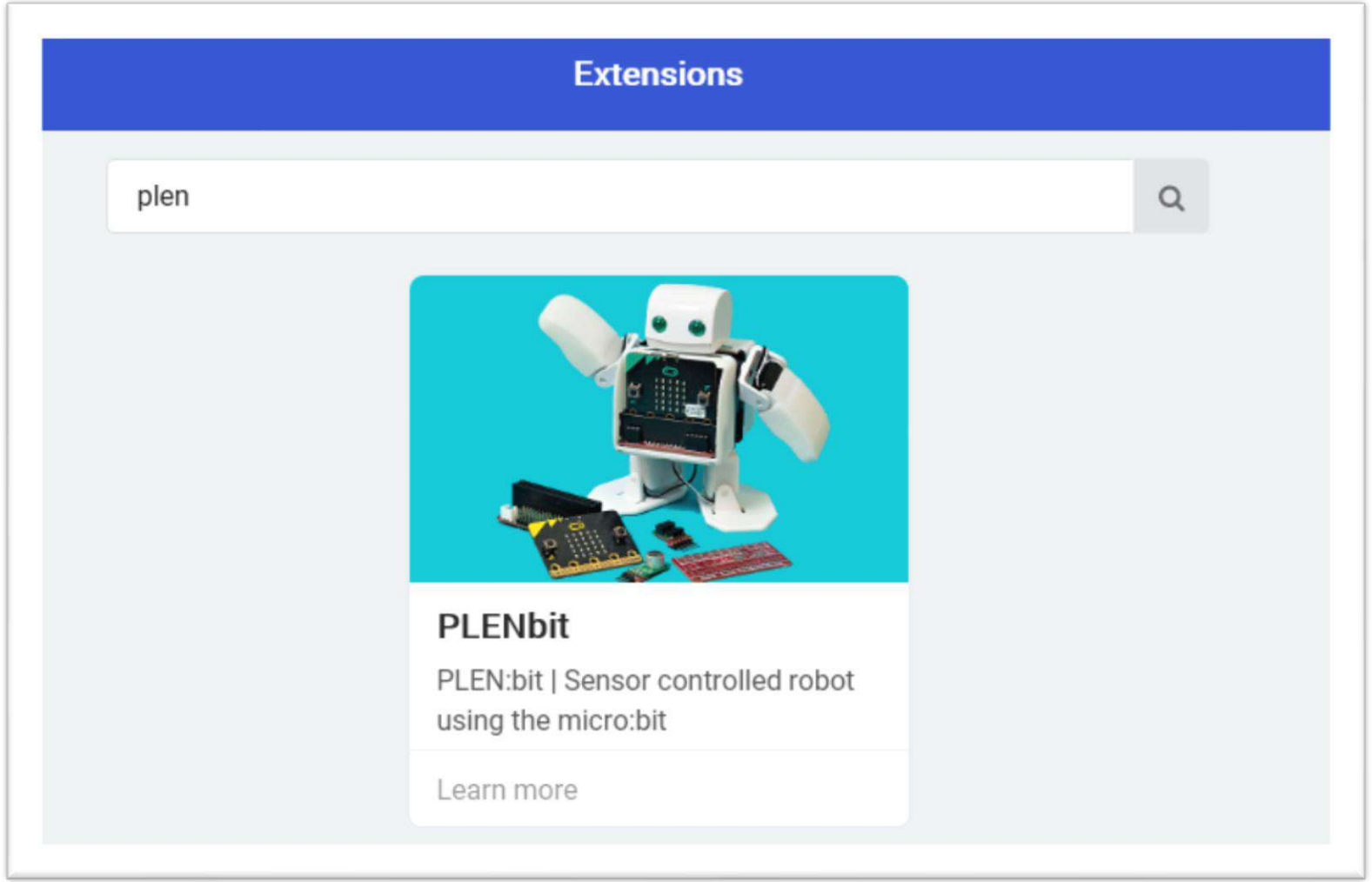
Click "Extensions" from the menu

How to PLEN:bit - Add PLEN:bit Block -



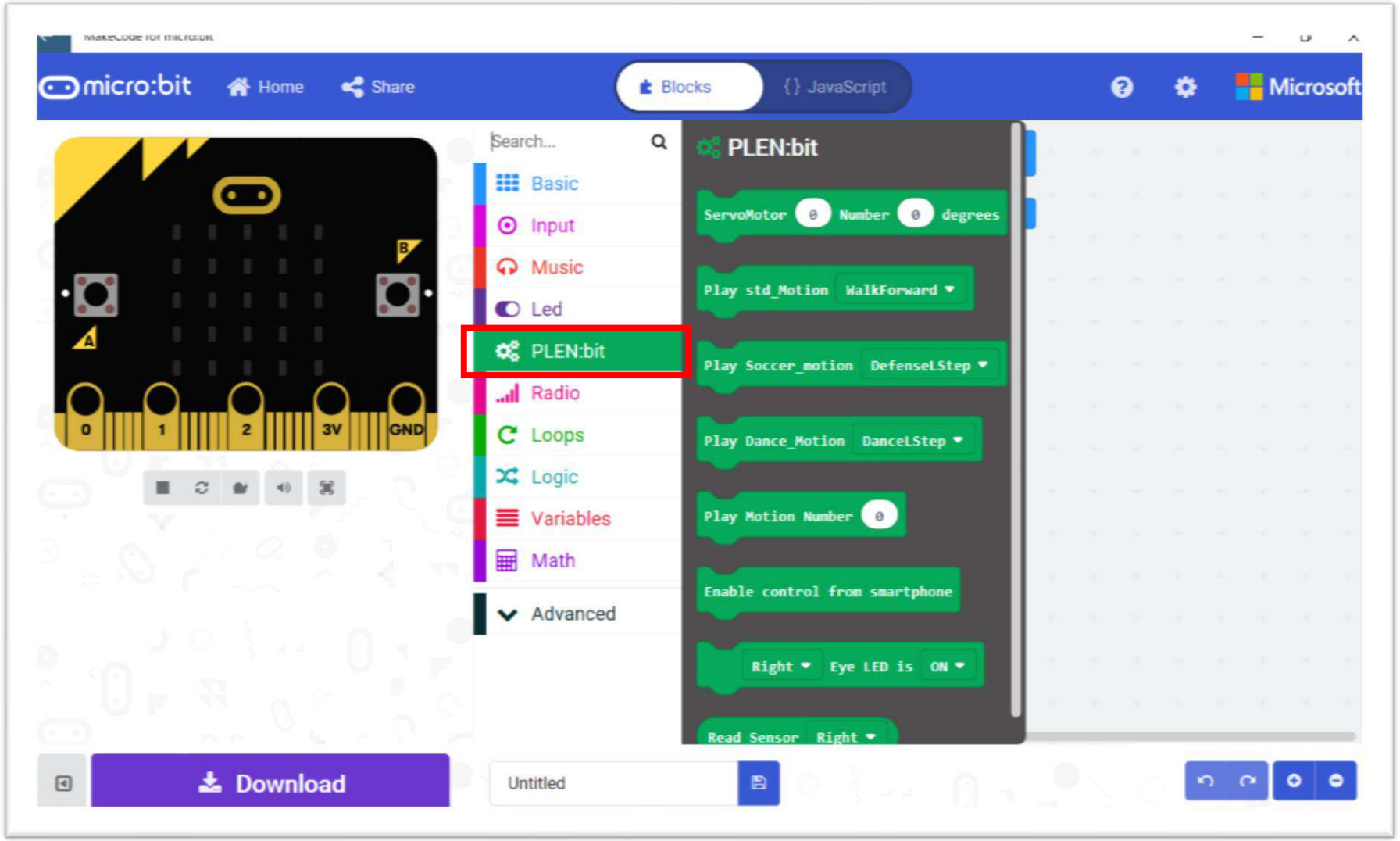
Input to “PLENbit” & Search

How to PLEN:bit - Add PLEN:bit Block -



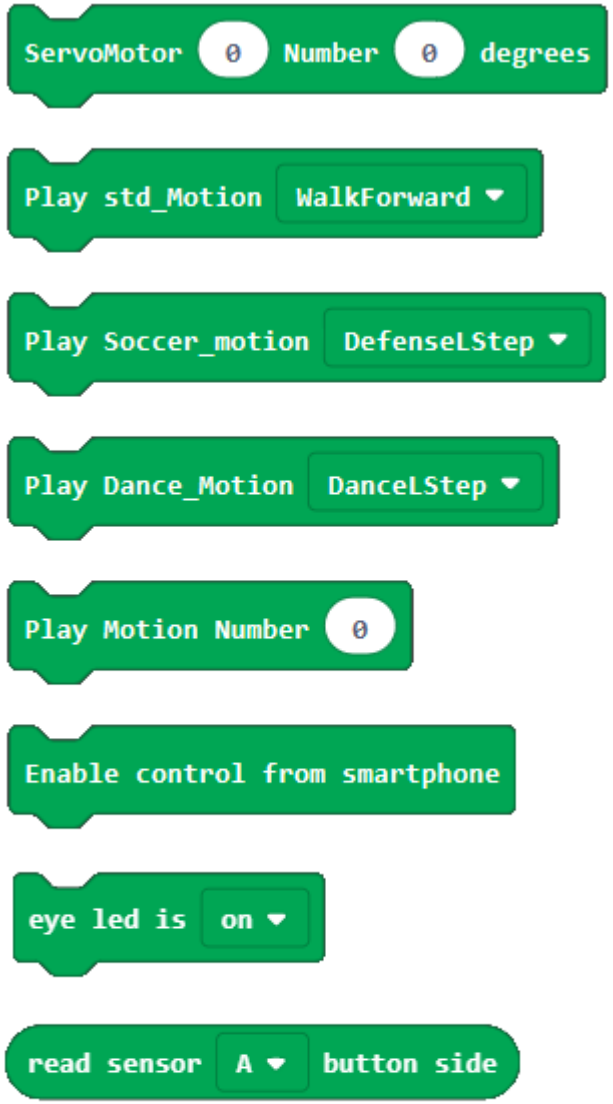
Select “PLENbit” from the search results

How to PLEN:bit - Add PLEN:bit Block -



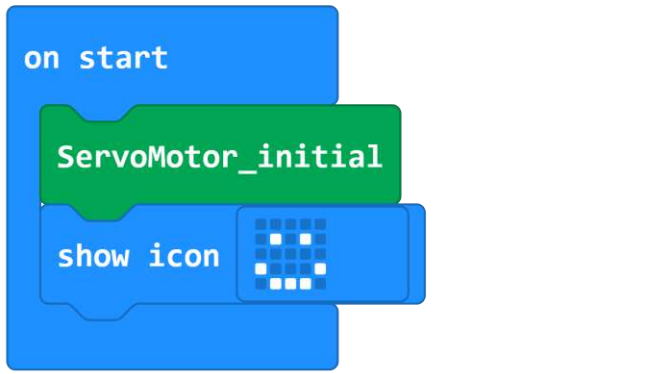
Block list "PLEN: bit" will be added

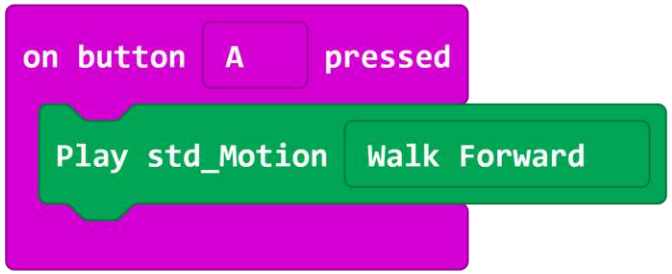
PLEN:bit Block List

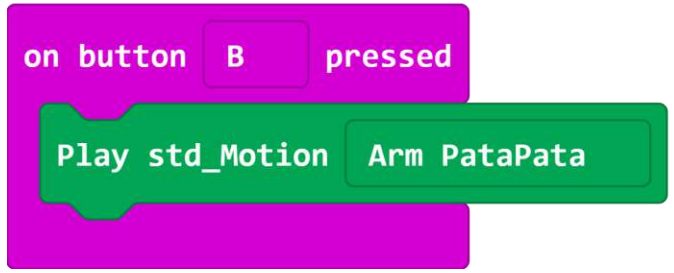


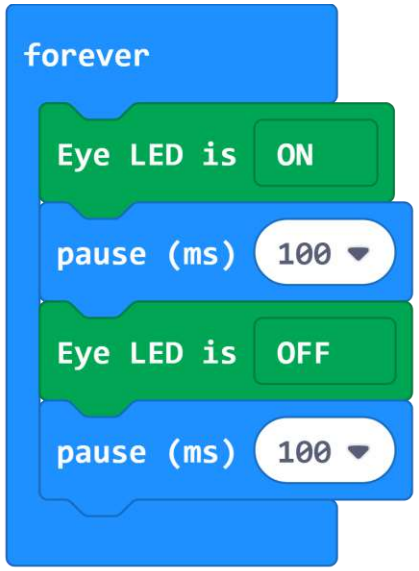
- Select motor & Change degree
- Make the robot move “Standard motion”
- Make the robot move “Soccer motion”
- Make the robot move “Dance motion”
- Make the robot move the selected number
- Enable control from PLEN Connect(APP)
- PLEN:bit eye LED on / off control
- Read Sensor (A side or B side)

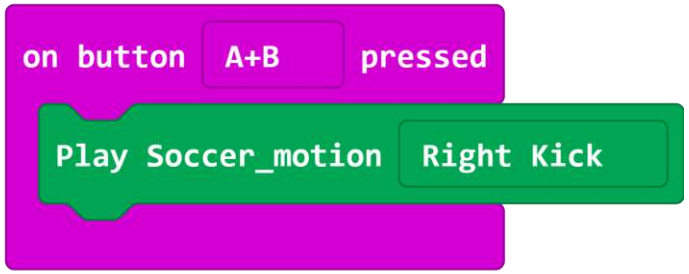
PLEN:bit Programing | PLEN:bit Basic





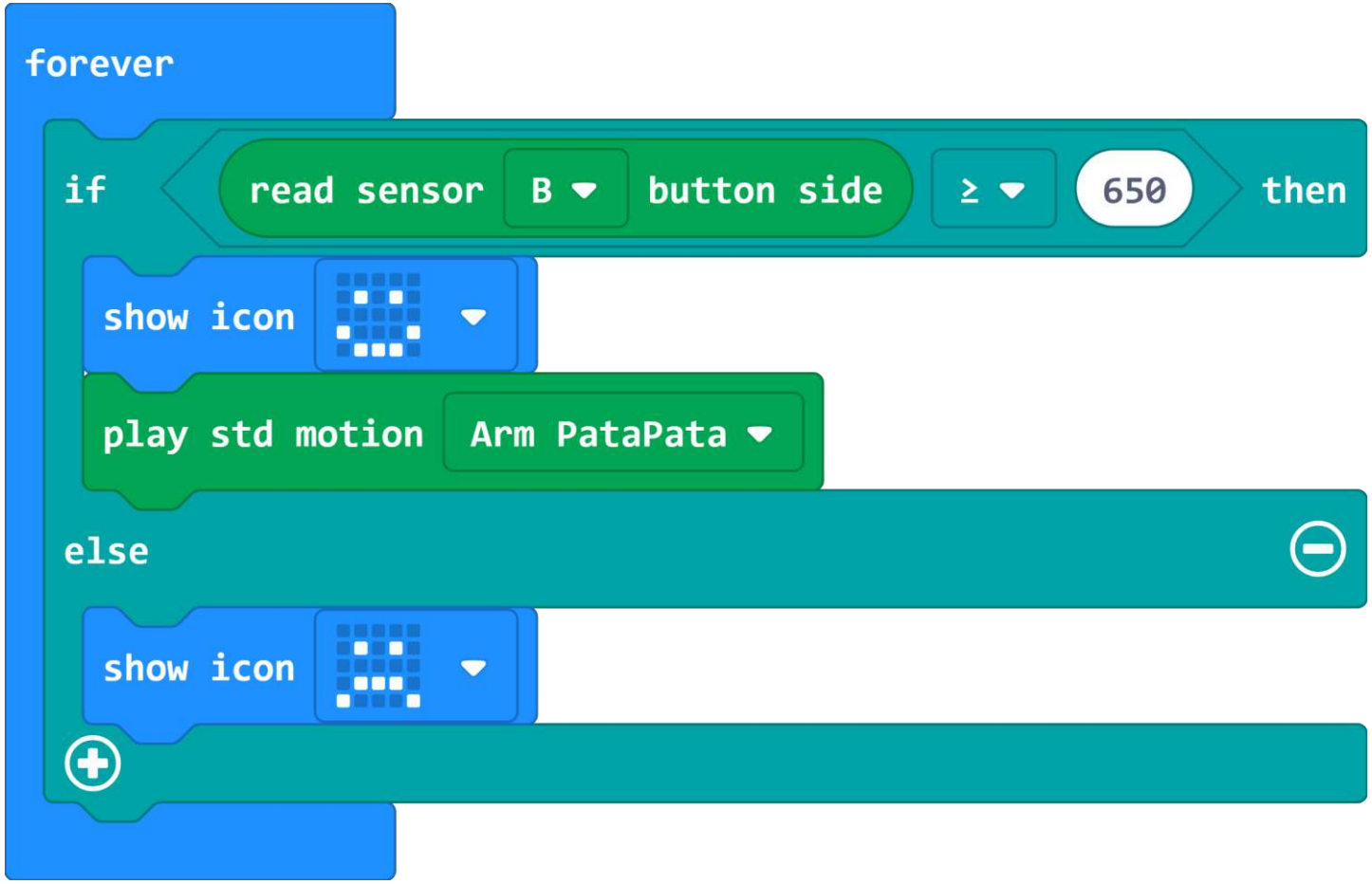






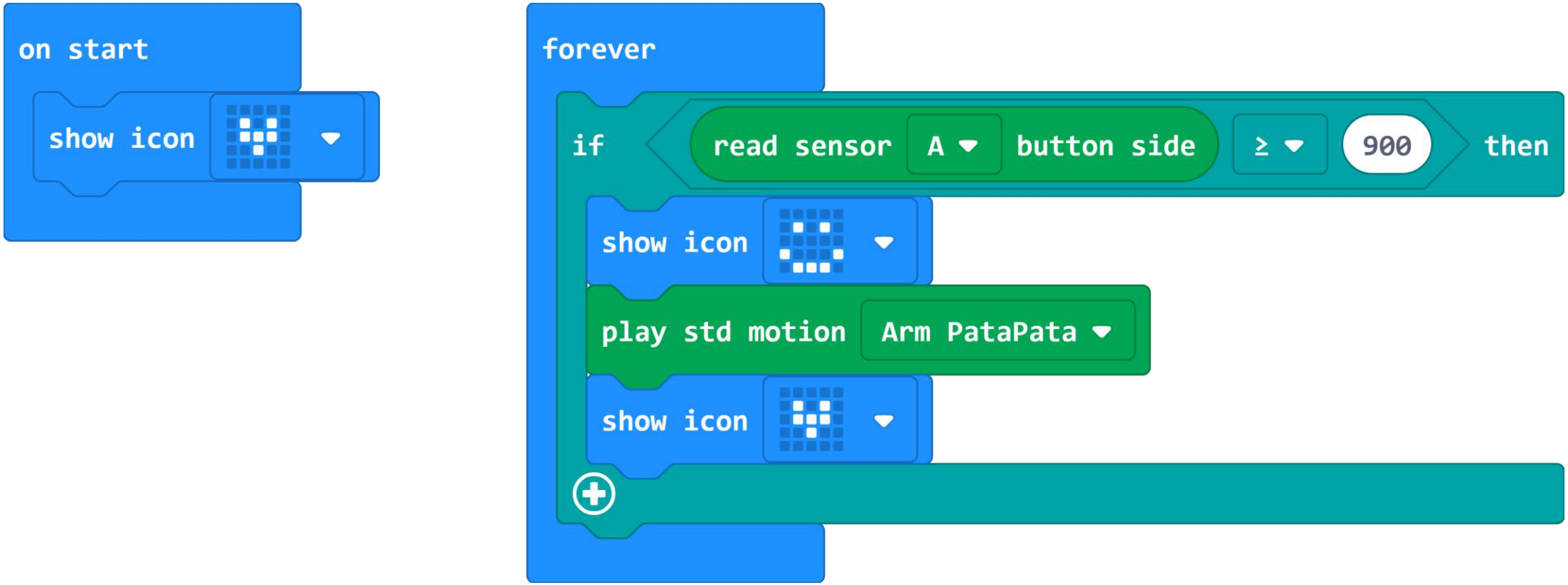
Let's program in blocks as above

PLEN:bit Programing | Distance sensor Basic



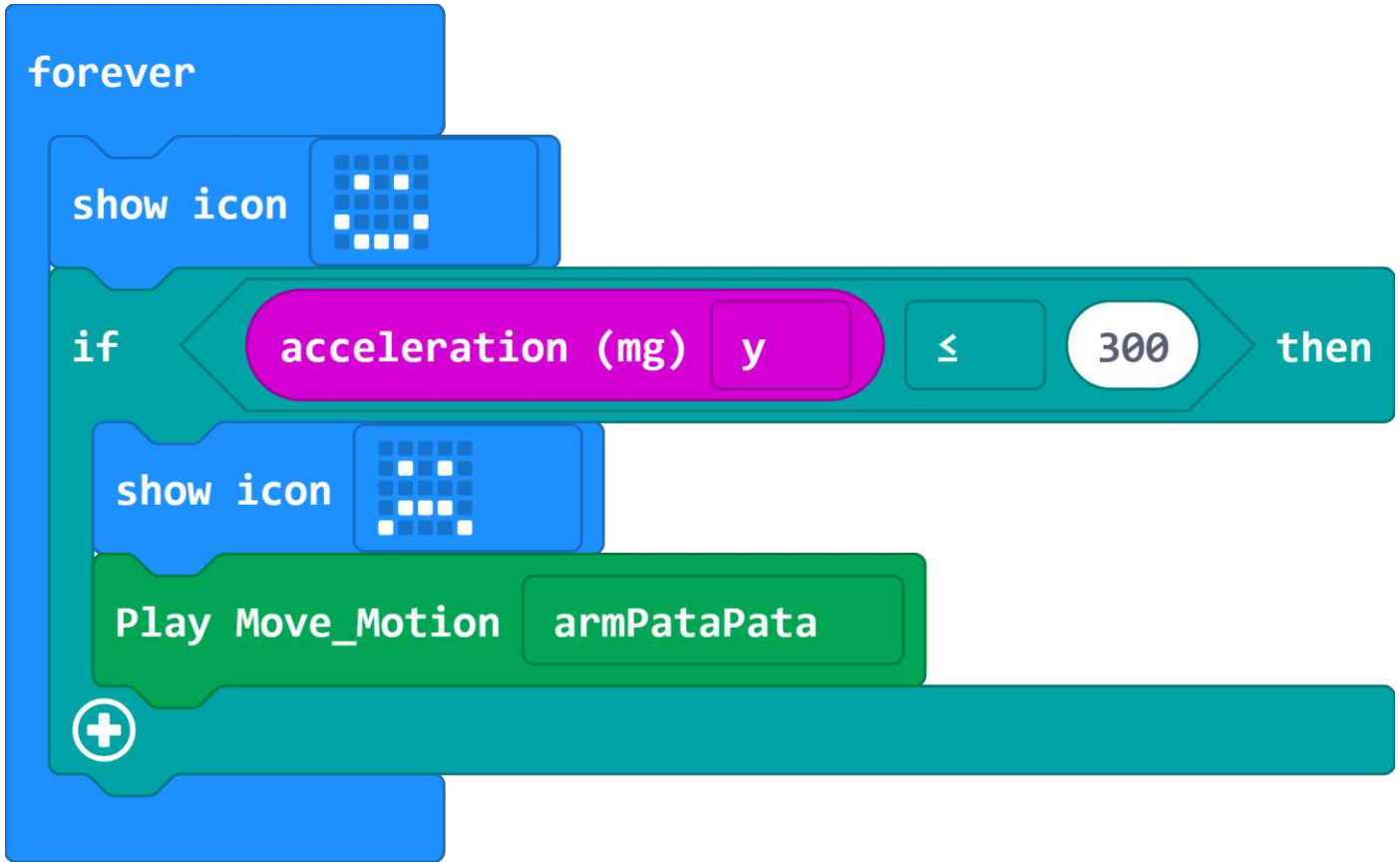
Let's program in blocks as above

PLEN:bit Programing | Sound sensor Basic



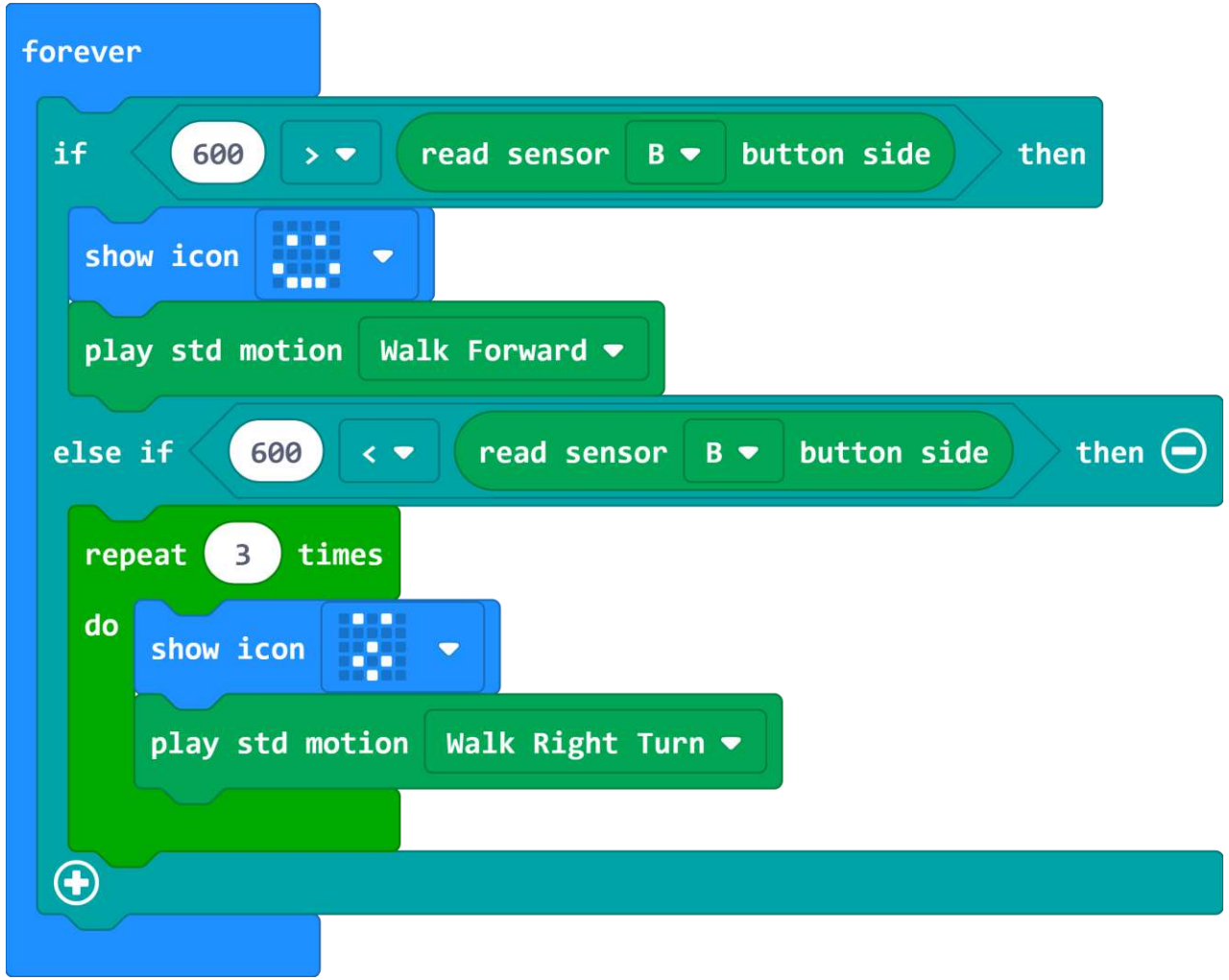
Let's program in blocks as above

PLEN:bit Programing | call help when fall down



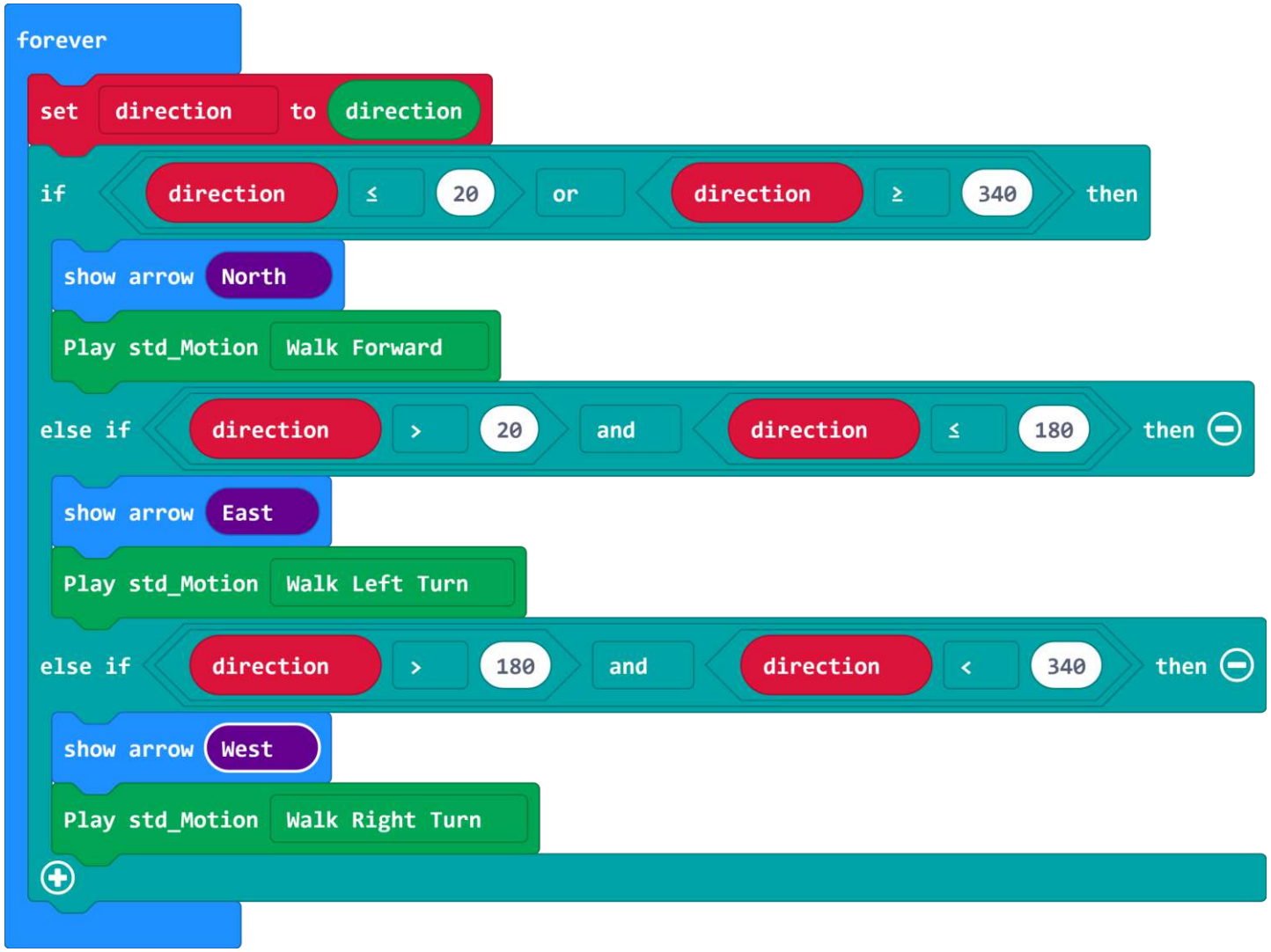
Let's program in blocks as above

PLEN:bit Programing | Dodge the wall



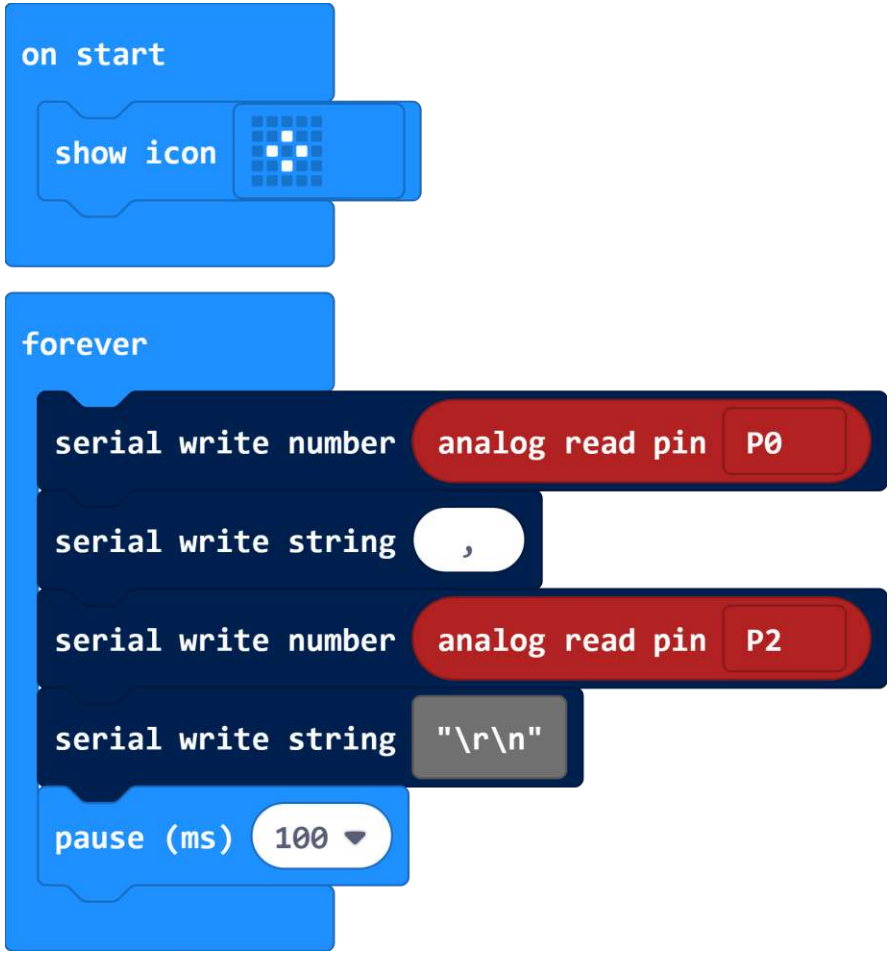
Let's program in blocks as above

PLEN:bit Programing | Walk towards the north



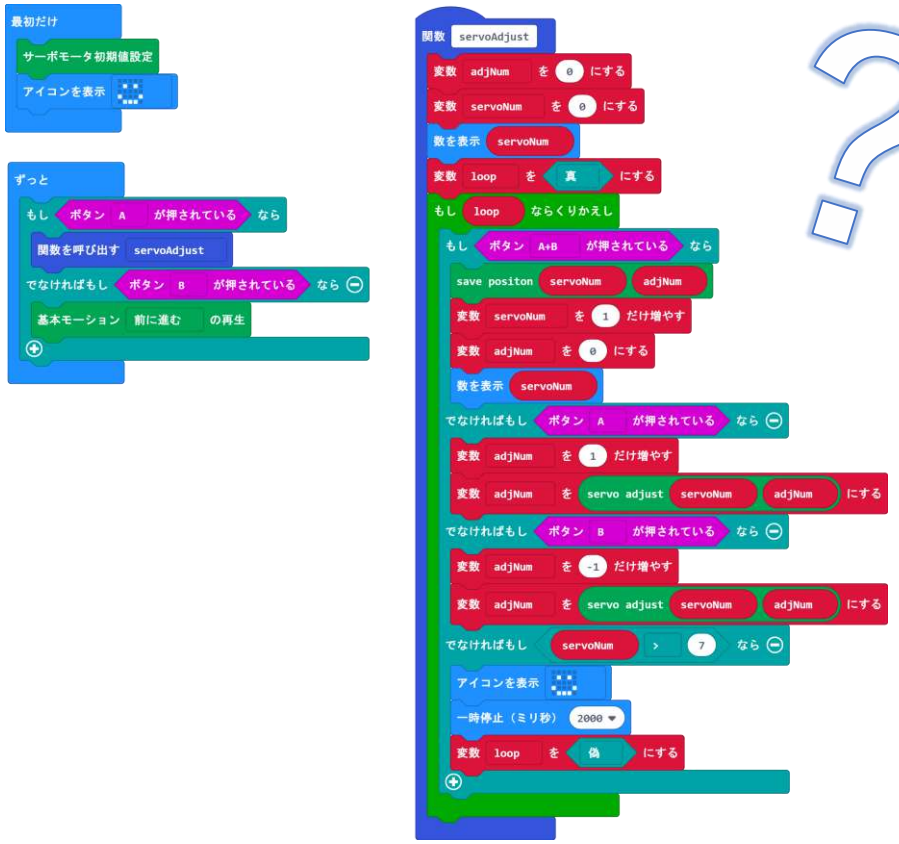
Let's program in blocks as above

PLEN:bit Programing | Let's know value of sensor



Let's program in blocks as above

PLEN:bit Programing | Adjust ServoMotor position

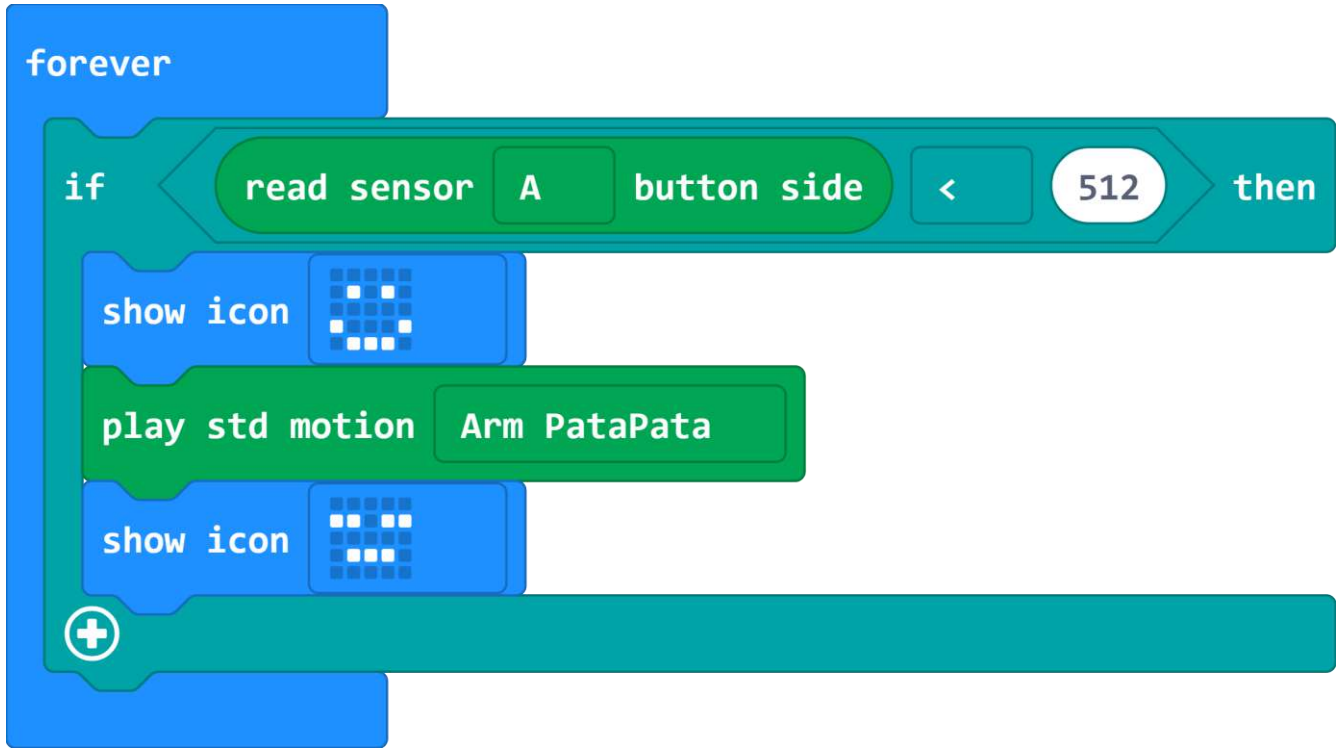


https://makecode.microbit.org/_6WgCH61mChM7

How to use
1.Push A to start correction
2.Push A or B to move each servo
3.Push A+B to switch to next servo
4.Loop
5.Ends when smile is displayed
6.Reset, then Push B to walk
If PLEN does not fall over, setting is complete

Download and use the program from the URL

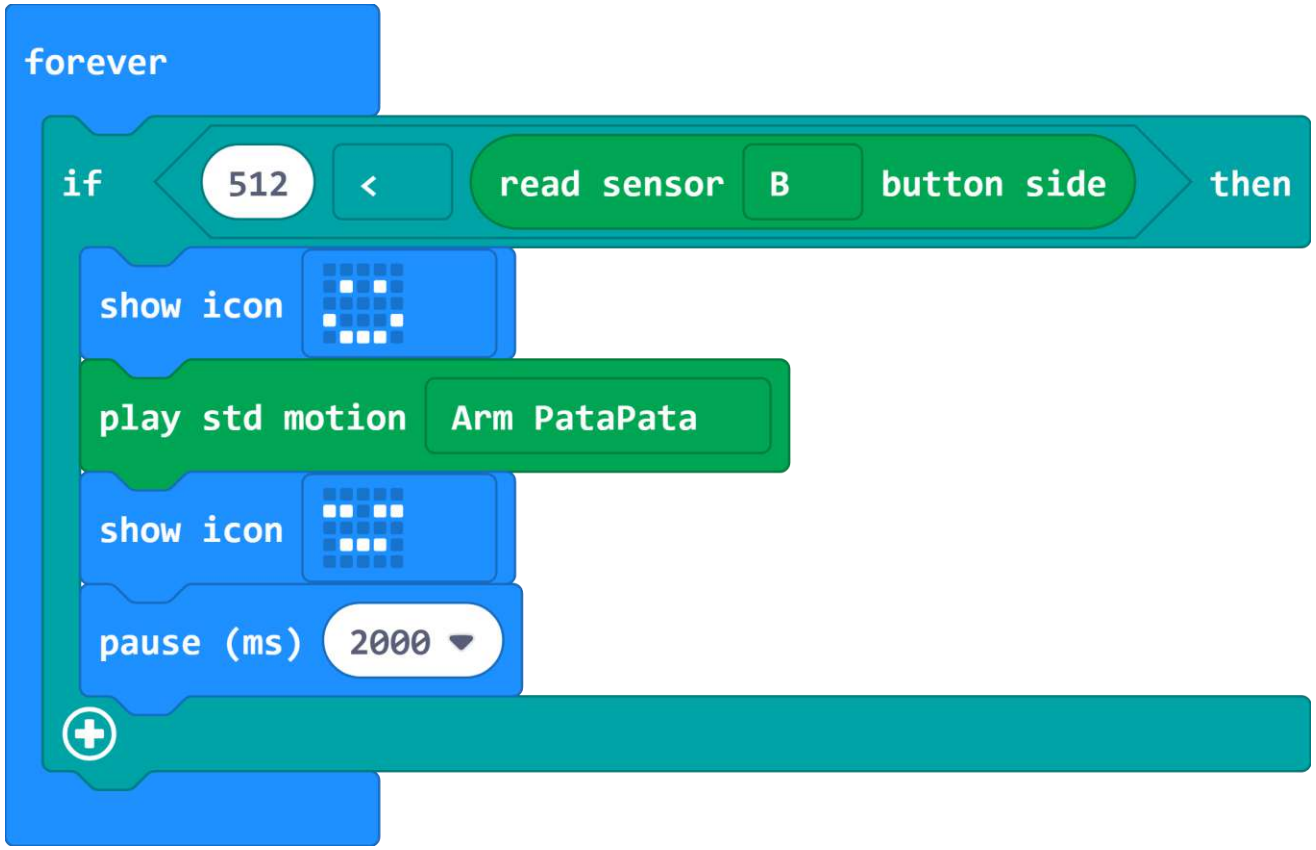
PLEN:bit Programing | Receive IR



If it is IR remote control, anything can be used

Infrared detection program using an IR sensor.
When you press the button on the infrared remote control, your arm will move.

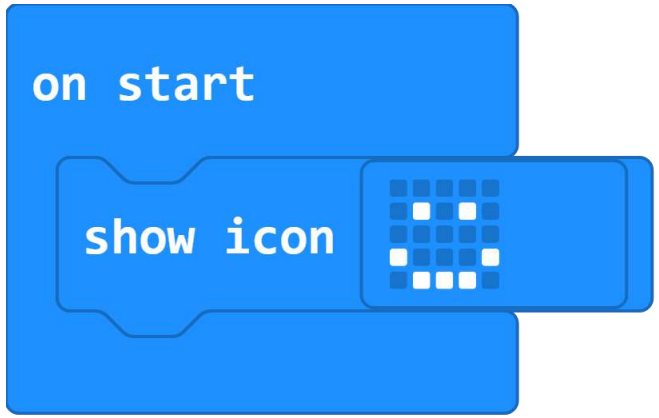
PLEN:bit Programing | Welcome!



It is a human detection program using a PIR sensor.
When a person moves in front of a PLEN::bit, the arm is move.

PLEN:bit How to BLE ver. head board

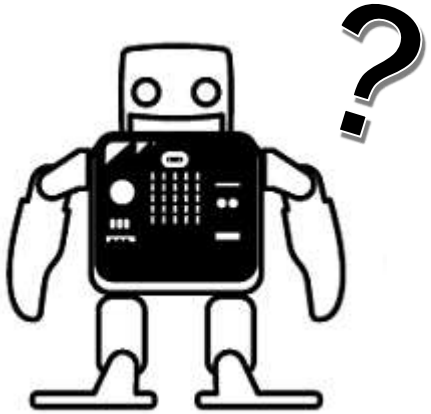
SPKIT



Download the app and use it
PLEN Connect
iPhone
https://itunes.apple.com/jp/app/plen-connect/id990980940?mt=8
Android
https://play.google.com/store/apps/details?id=jp.plen.plenconnect2

You can control from PLEN Connect(APP)

PLEN:bit HELP! | FAQ & Support



1．PLEN:bit block is different？？

PLEN:bit's extensions is updated from time to time.

If something is wrong, try adding it again.

2．If you have any questions, please contact one of the following.

・PLEN:bit Slack community u0u0.net/YJzp

・PLEN Support https://plen.jp/wp/contact/