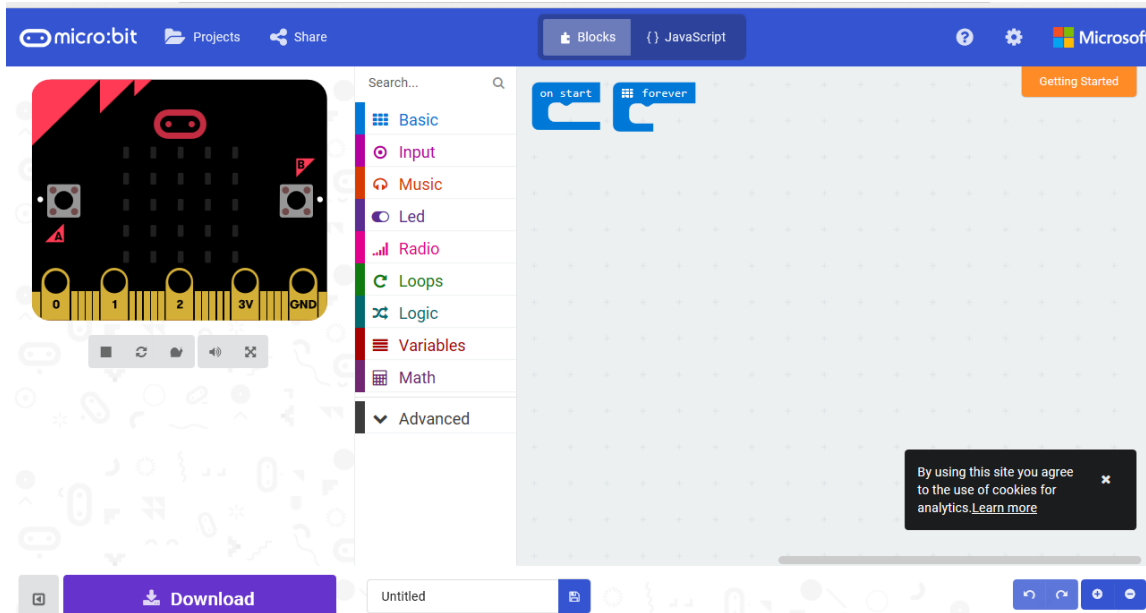


Website: <https://makecode.microbit.org>

The Micro Bit is an ARM-based embedded system designed by the BBC for use in computer education in the UK.

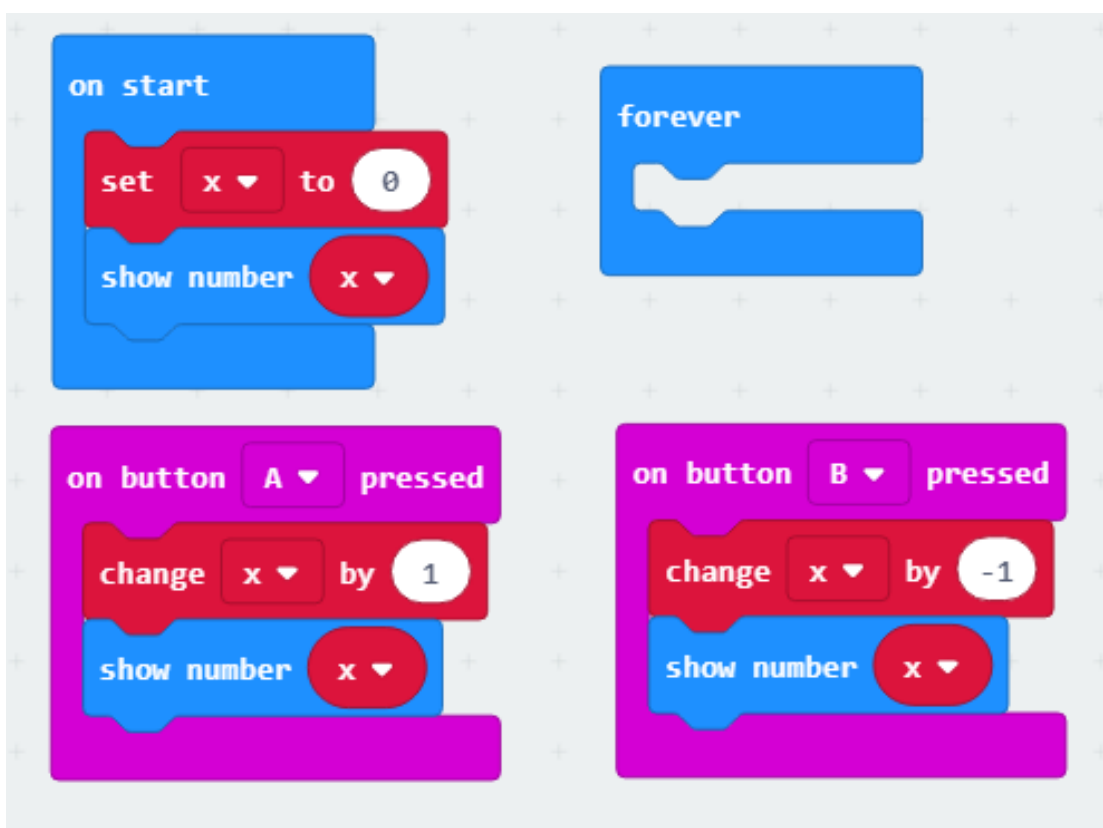


Let's use it to make a simple program run on MicroBit.

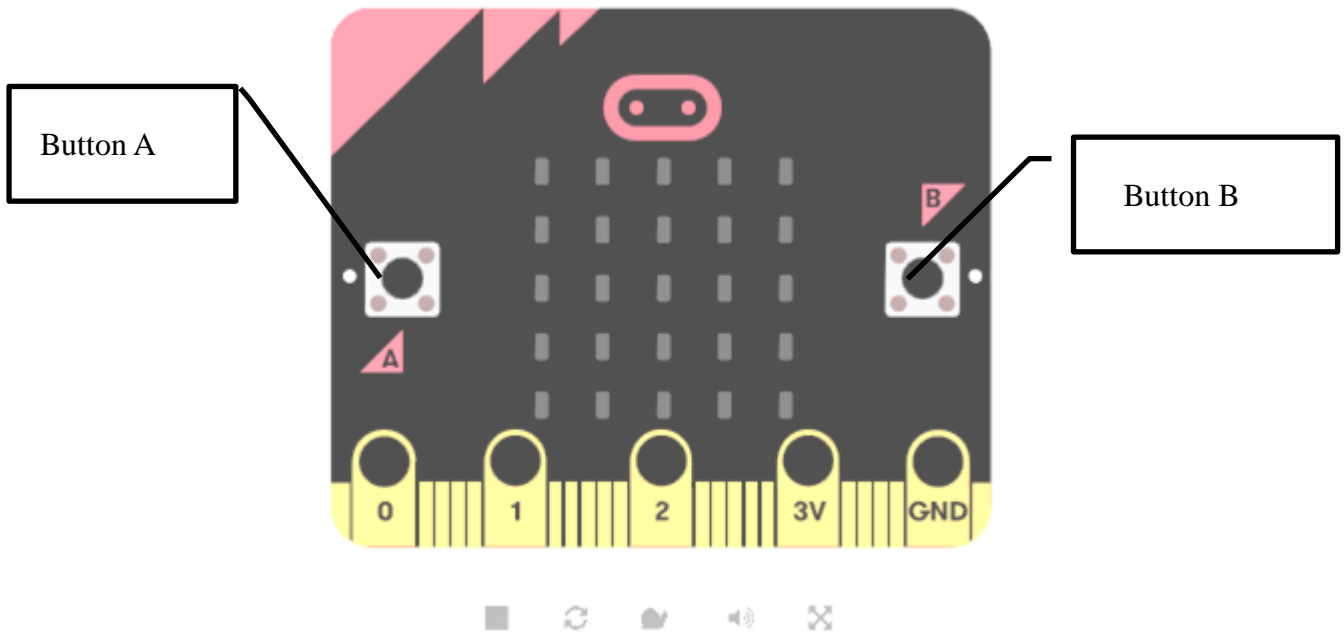
(Video tutorial: http://www.plkclscmc.edu.hk:8080/subjects/newcomputerweb/complib/microbit/microbit_lesson1.html)

Target: Press button A to increase a number displayed and press button B to decrease the number.

Step 1: Create the following program blocks

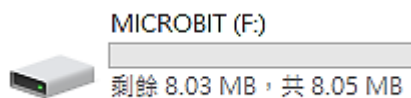


Step 2: You can test your program by pressing buttons A or B in the Microbit image on the left of the screen.



How to download to the Microbit Board.

Step 3 : Connect your Microbit Board to the computer with USB cable.
A new drive "MICROBIT" will appear in the computer.



Step 4: Click the download button in the microbit website.
A file "microbit-Unititled.hex" will be downloaded.

Step 5: Copy this file to the MICROBIT drive.

Step 6: Now you can test the program in the Microbit Board.
(** Do Not unplug the USB cable while testing**)

Exercise:

Create a problem to do the following task:

- (i) Press A to increase a number (x) by 1
- (ii) Press B to increase another number (y) by 1
- (iii) Press A+B of the board to calculate and display the sum of x and y.
- (iv) Shake the board to reset x and y to 0.