EitpCode/IOT

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Introduction

This is a collection of Blocky-based and JavaScript-based that interact with micro: bit which can be used as IOT coding sample.

Project Description

This Toolkit contains sample programs based on Micro: bit, online Blocky and JavaScript editor, including your own Micro: bit Chip and other coming projects.

Establish connection

Before design your own micro: bit coding, you have to establish connection via USB between the Micro: bit chip and PC.

Micro: bit Chip Specification

Micro: bit is microcomputer board for STEM education. The 4x5 cm small circuit board is equipped with 25 LEDs, 2 buttons, 3 sensors of light/ temperature/ acceleration, BLE Bluetooth, and 25 I/O interface.

How to use

The micro: bit program can adopt Blocky programming method, that is, a program syntax or element is expressed as different shapes and sizes of blocks, and then the concept of stacking blocks is used to combine various program logics.

Open a web browser, such as Google Chrome, enter the URL https://makecode.microbit.org/, enter the micro: bit program editing interface, and you can start the micro: bit building block program journey. The JavaScript building block program editor combines blocks like Scratch when designing programs.

Reference

For more information about Micro: bit, please feel free to visit the following links:

<https://microbit.org/hk/code/>

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

<https://www.youtube.com/watch?v=Wuza5WXiMkc>