Program in Python with EV3

You can now use your EV3 Brick to unleash the power of Python programming using MicroPython. Simply install the EV3 MicroPython image onto any micro SD card and boot up your EV3 Brick from it to start programming straight away. Switching back to the standard LEGO® MINDSTORMS® EV3 firmware is just as simple. We have also provided full documentation and sample API code to get you started.

How to get started

1. Insert your micro SD card into the SD card slot on the EV3 Brick and turn it on
2. Open Visual Studio Code

3. Click on Lego Mindstorms Icon
4. Clock on **Create a new project**
    a. Name project in upper middle _box?_
    b. Save file → Documents/Lego Creations

2. In EXPLORER under project name, on the left side of the screen, click **main.py**
3. Connect Lego EV3 to computer using MiniUSB to USB cable

4. At the bottom of the EXPLORER tab, click on **EV3DEV DEVICE BROWSER**
    a. Then, click on **Click here to connect a new device** → Cancel security alert
5. In the upper center of the screen Visual Studio Code will search for new devices, and find **ev3dev.** Click on **ev3dev.**
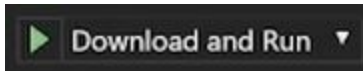
    a. You will now see

6. Click on and debug by clicking on the left side icon .
    a. Then, click
    b. The program will run and should say "Completed successfully."

You will find a detailed description of the above steps in the EV3 MicroPython documentation PDF (link below).

https://education.lego.com/en-us/support/mindstorms-ev3/python-for-ev3