

# GETTING STARTED WITH EV3 PYTHON

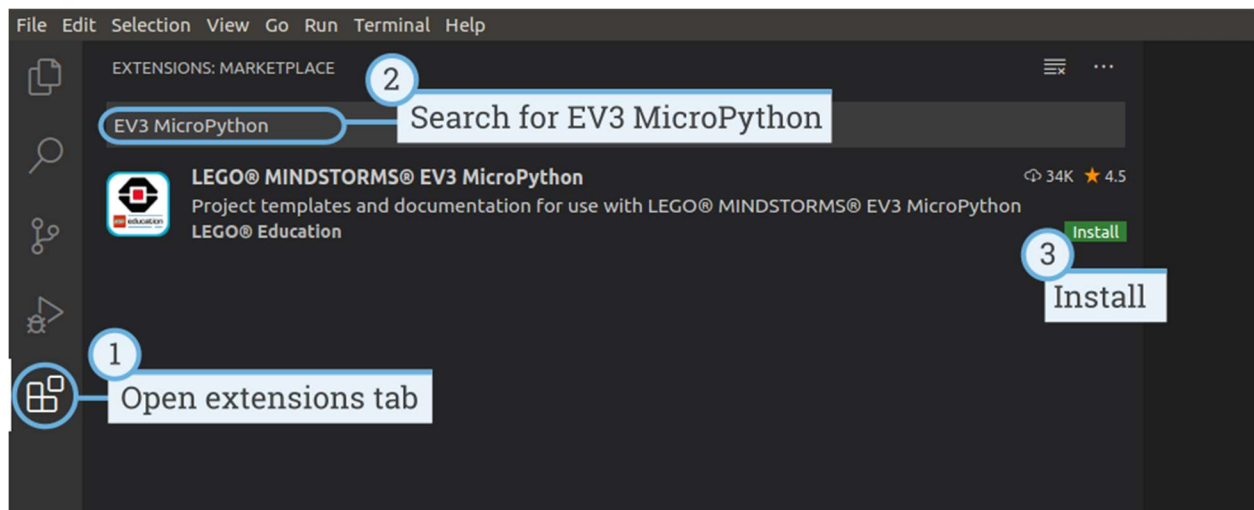
Before we set up any software:

- Insert the provided SD card into the slot on the ev3 brick
- Plug the ev3 brick into the computer with the micro USB cable
- Press the center button to turn it on
  - this part is really quite slow, so this step should be done early. Do it now!

Now, open “VS Code” – if you can’t find it, try searching for “Visual”

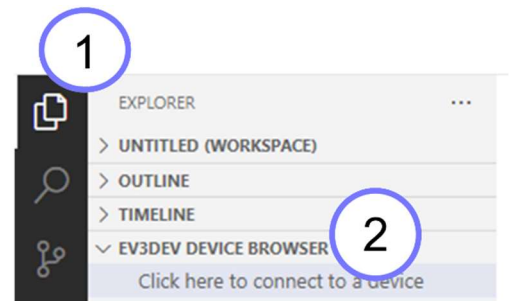
Installing the extension we will need:

1. First navigate to the “Extensions” tab in “VS Code”
2. Search for “EV3 MicroPython”
3. Click Install



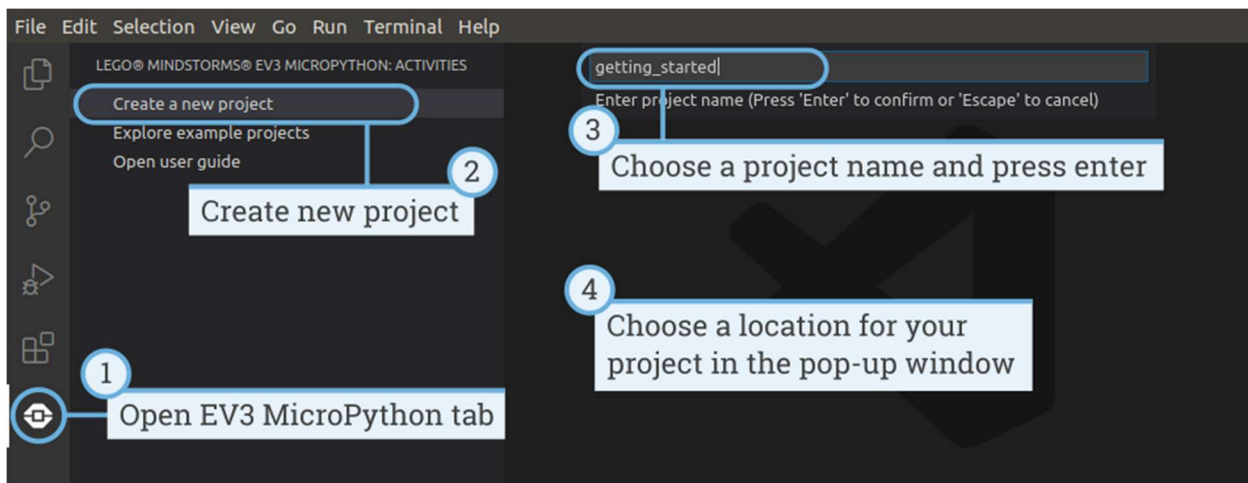
Next, as your brick should be finished booting up...

1. Navigate to the explorer tab (file icon right above the magnifying glass)
2. At the bottom of the second column there should be a tab called “EV3DEV DEVICE BROWSER” click on it and select your brick at the top of the screen



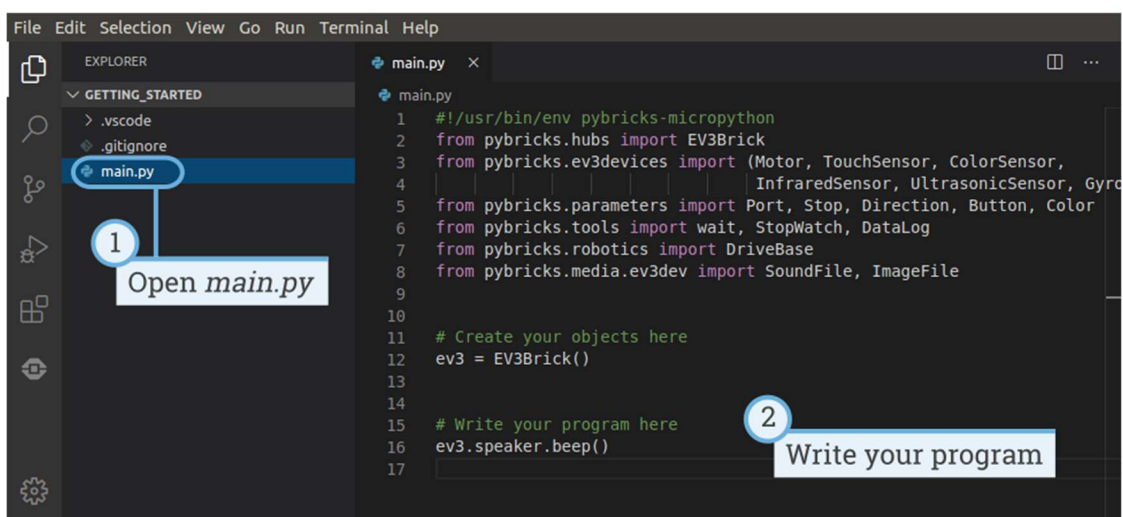
## Creating a new project

1. Next navigate to the new Mindstorms tab
2. Select create new project
3. Type project name, press enter
4. Choose where to save this project (I recommend Documents → ICD2O)



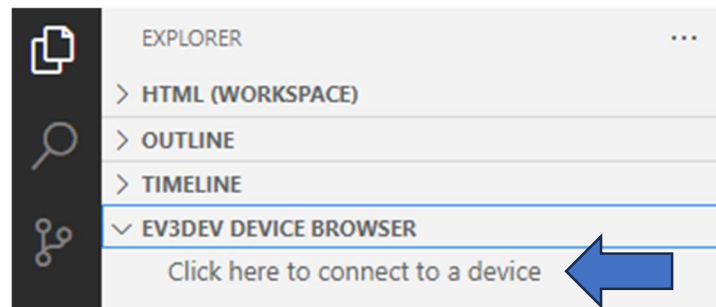
When you create a new project, it already includes a file called *main.py*. To see its contents and to modify it, open it from the file browser as shown in [Figure 10](#). This is where you'll write your programs.

Since we are new to MicroPython, we should keep the existing code in place and add your code to it.



## How do we run our programs?

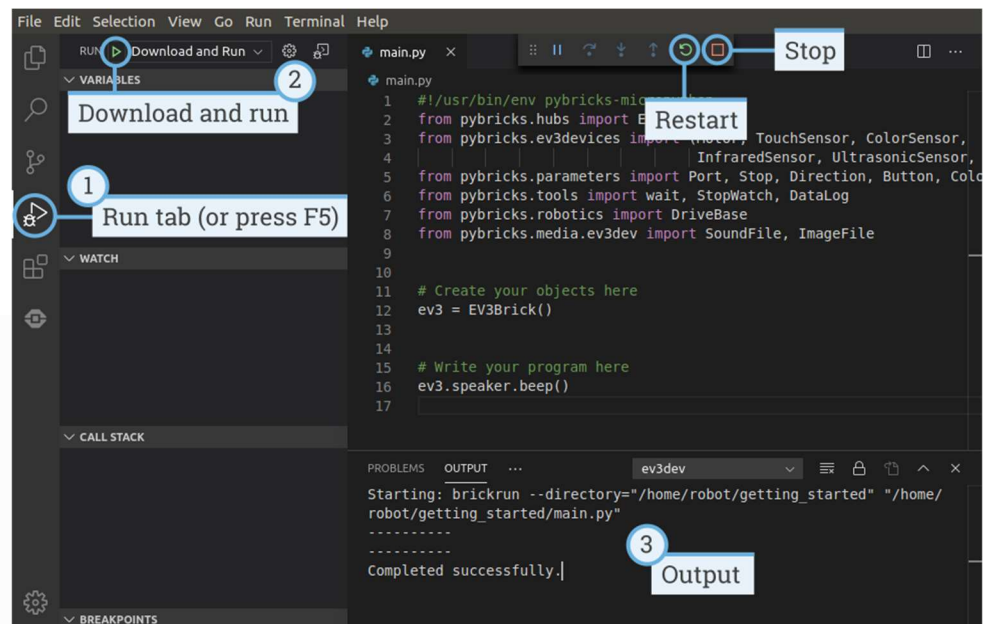
- Ensure the robot is turned on and booted to the microPython environment
- Connect our robot: plug in the USB cable to both the robot and computer.
- Navigate to the device browser, and choose “Click here t’ connect a device”



- Choose it from the list. If you don't see it, call for Mr. Emmell

Now you're ready!

1. Choose 'run' tab
2. Click run
3. See output



Did it work? Now try the example program found here:

[https://pybricks.com/ev3-micropython/examples/robot\\_educator\\_basic.html](https://pybricks.com/ev3-micropython/examples/robot_educator_basic.html)