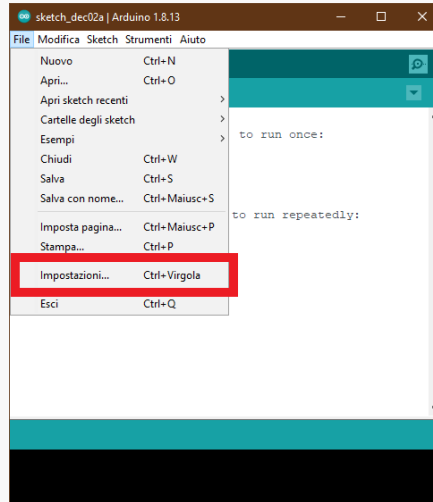


1. Start Arduino IDE

Start your Arduino IDE, then click on the Preferences.

Preferences.

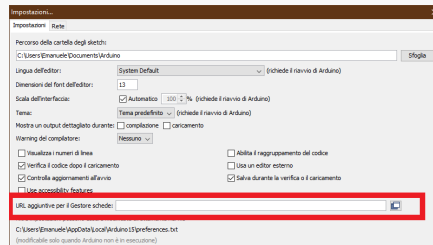


2. Add the URL

Add the URL below into the Additional Board Manager URL text box.

https://sandeepmistry.github.io/arduino-nRF5/package_nRF5_boards_index.json

Additional Board Manager URL



3. Open Tools

Open Tools>Board>Boards Manager from the menu bar, search for nRF5 and install "Nordic Semiconductor nRF5 Boards" by Sandeep Mistry

4. Select Micro:bit

Select Micro:bit Select BBC micro:bit from the Boards menu. Set SoftDevice to S110. And set the Port to the Micro:bit COM port.

5. Upload the code

Upload the code to your Micro:bit. Don't worry about the red warnings below. Open the Serial Monitor and push the button of your Micro:bit. Enjoy!



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Code </>

```

/*
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*/

const int COL1 = 3; // Column #1 control
const int LED = 26; // 'row 1' led
const int BUTTON_A = 5; // The number of the pushbutton pin
const int BUTTON_B = 11; // The number of the pushbutton pin
long previousMillis = 0;
long currentMillis = 0;
int interval = 500;
boolean ledState = false;
boolean buttonAPressed = false;
boolean buttonBPressed = false;

void setup()
{
    Serial.begin(9600);
    Serial.println("microbit is ready!");
    pinMode(BUTTON_A, INPUT);
    pinMode(BUTTON_B, INPUT);
    // Because the LEDs are multiplexed,
    // we must ground the opposite side of the LED
    pinMode(COL1, OUTPUT);
    digitalWrite(COL1, LOW);
    pinMode(LED, OUTPUT);
}

void loop()
{
    currentMillis = millis();
    if (currentMillis - previousMillis > interval) {
        previousMillis = currentMillis;
        ledState = !ledState;
        digitalWrite(LED, ledState);
    }

    if (digitalRead(BUTTON_A) == LOW &&
        buttonAPressed == false) {
        buttonAPressed = true;
        Serial.println("Button A is pressed.");
    }
    else if (digitalRead(BUTTON_A) == HIGH &&

```

Code </> (cont)

```
>   buttonAPressed == true) {  
    buttonAPressed = false;  
}  
if (digitalRead(BUTTON_B) == LOW &&  
    buttonBPressed == false) {  
    buttonBPressed = true;  
    Serial.println("Button B is pressed.");  
}  
else if (digitalRead(BUTTON_B) == HIGH &&  
         buttonBPressed == true) {  
    buttonBPressed = false;  
}  
}
```



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