/\*PCE-13 Modified by Pat McMahon 12/10/2022.Uses Pat's 20 Plug & Code Examples.

  DigitalReadSerial

   Connections-Push Button Switch to +5V,D2 & Gnd.

  Note- You need to use the Serial Monitor

  Reads a digital input on pin 2, prints the result to the Serial Monitor

  This example code is in the public domain.

  https://www.arduino.cc/en/Tutorial/BuiltInExamples/DigitalReadSerial

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// digital pin 2 has a pushbutton attached to it. Give it a name:

int pushButton = 2;

// the setup routine runs once when you press reset:

void setup() {

  // initialize serial communication at 9600 bits per second:

  Serial.begin(9600);

  // make the pushbutton's pin an input:

  pinMode(pushButton, INPUT);

}

// the loop routine runs over and over again forever:

void loop() {

  // read the input pin:

  int buttonState = digitalRead(pushButton);

  // print out the state of the button:

  Serial.println(buttonState);

  delay(1);        // delay in between reads for stability

}