

A screenshot of the Arduino IDE interface. The 'Sketch' menu is open, showing options like 'Verify/Compile', 'Upload', and 'Include Library'. The 'Include Library' option is highlighted, and its sub-menu is open, showing 'Add .ZIP Library...' as the selected option. The background code editor shows a sketch for a face mask temperature sensor using various libraries like Wire, LiquidCrystal\_I2C, Servo, and Ultrasonic. The code includes pin definitions and setup functions for a servo motor and an LCD display.

Verify/Compile Ctrl+R

Upload Ctrl+U

Upload Using Programmer Ctrl+Shift+U

Export compiled Binary Ctrl+Alt+S

Show Sketch Folder Ctrl+K

**Include Library**

Add File...

Manage Libraries... Ctrl+Shift+I

**Add .ZIP Library...**

Arduino libraries

Arduino Uno WiFi Dev Ed Library

ArduinoHttpClient

Arduino\_JSON

Bridge

EEPROM

Esplora

Ethernet

Firmata

GSM

HID

Keyboard

LiquidCrystal

LoRa Node

Mouse

Robot Control

Robot IR Remote

Robot Motor

SD

SPI

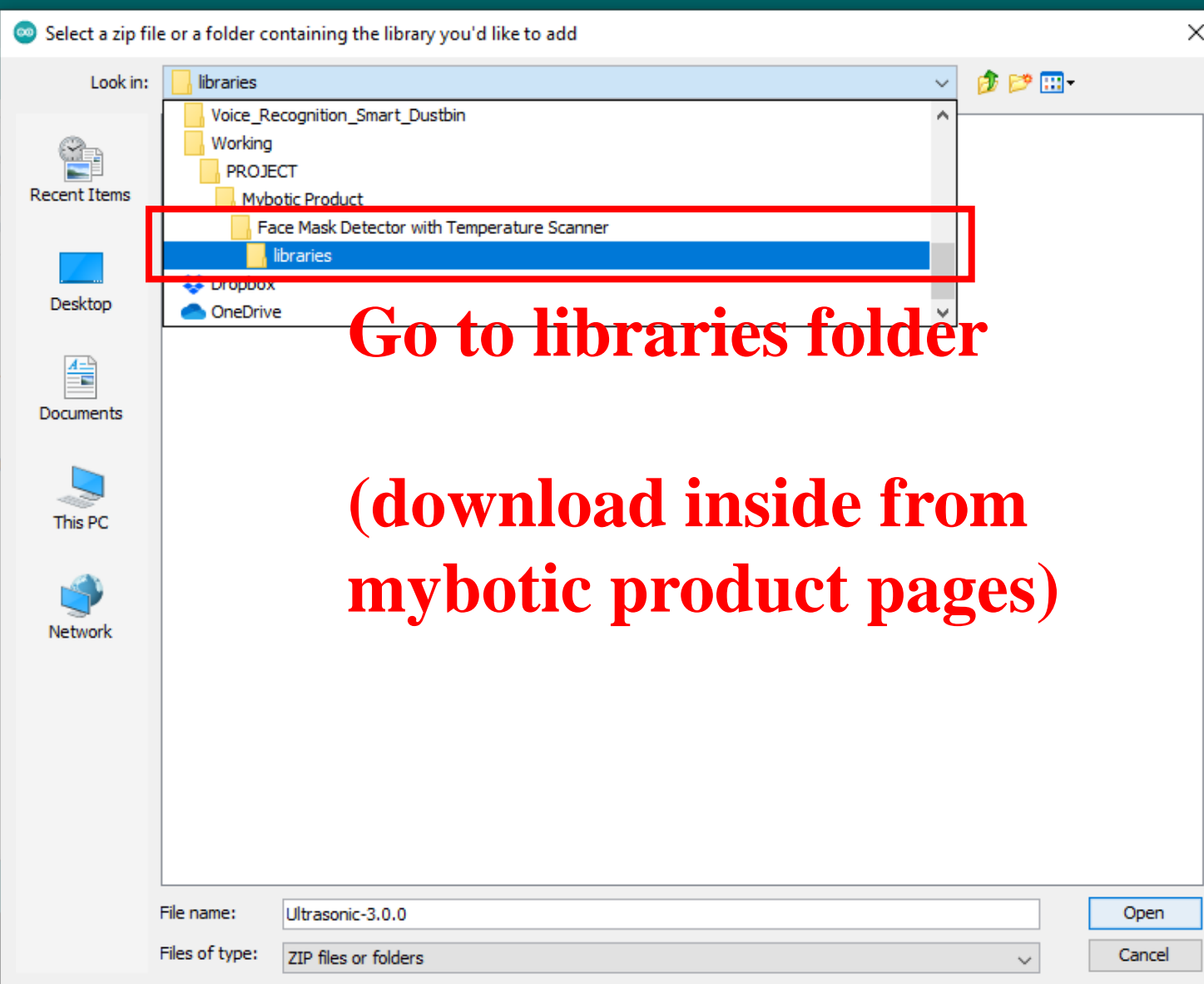
Servo

```
1  
2  
3  
4  
5  
6  
7 #include <Wire.h>  
8 #include <LiquidCrystal_I2C.h>  
9 #include <Servo.h>  
10 #include <Ultrasonic.h>  
11 #include <Adafruit_MLX90614.h>  
12  
13 #define SERVO_PIN 9  
14 #define LED_GREEN 13  
15 #define LED_RED 12  
16 #define PUSH_BUTTON_PIN 2  
17 #define USTRIG_PIN 11  
18 #define USECHO_PIN 10  
19  
20 #define START_RUN 1  
21 #define RESTART_ESP32 2  
22 #define RESTART_SCAN 3
```



Arduino\_Face\_Mask\_Temp\_Sensor

```
1 /*****  
2  *Written by: SHAFIQ YAA  
3  *DATE      : 27 July 20  
4  *Project   : Arduino Fa  
5  *****/  
6  
7  #include <Wire.h>  
8  #include <LiquidCrystal  
9  #include <Servo.h>  
10 #include <Ultrasonic.h>  
11 #include <Adafruit_MLX90  
12  
13 #define SERVO_PIN  
14 #define LED_GREEN  
15 #define LED_RED  
16 #define PUSH_BUTTON_PIN  
17 #define USTRIG_PIN  
18 #define USECHO_PIN  
19  
20 #define START_RUN  
21 #define RESTART_ESP32  
22 #define RESTART_SCAN
```

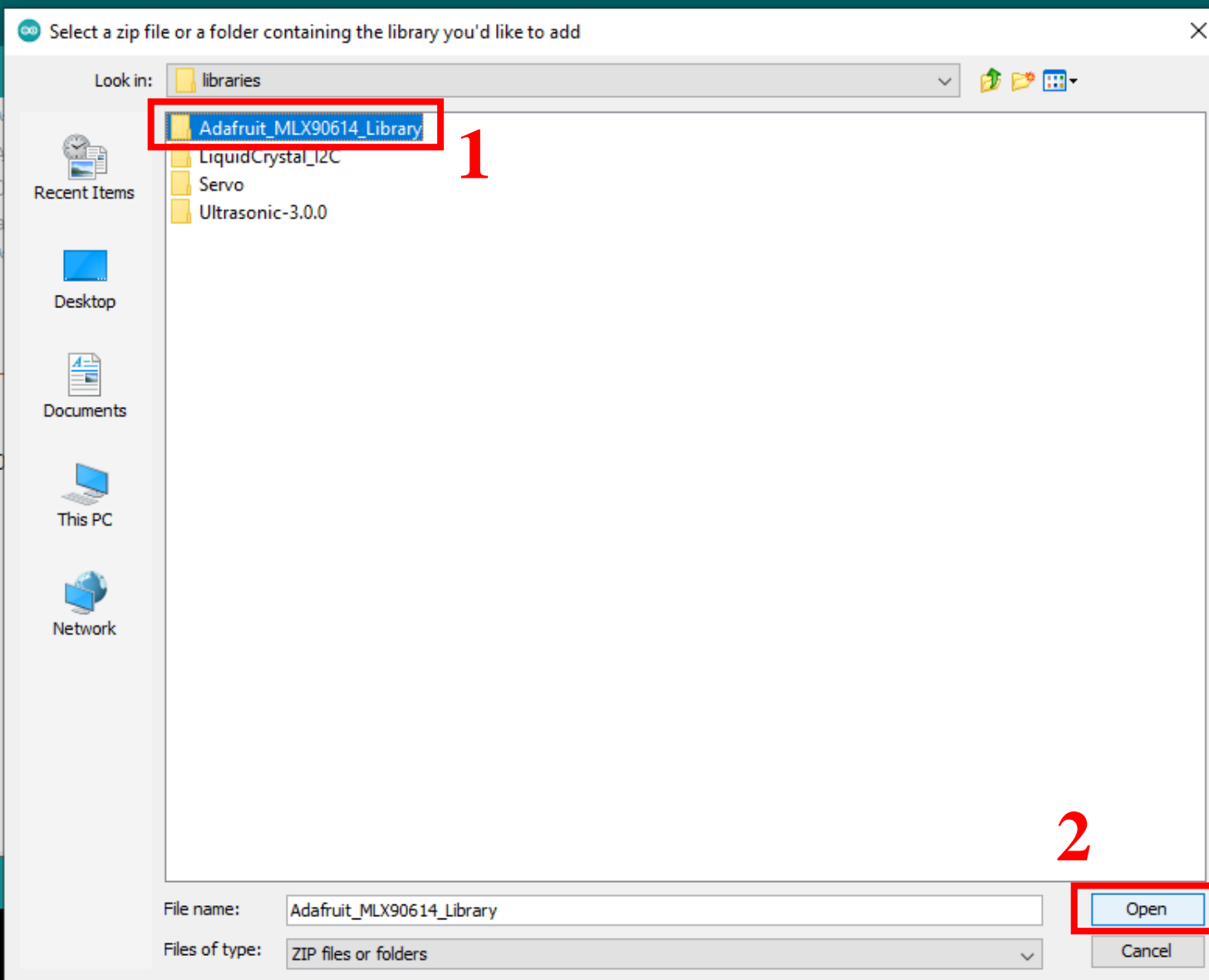




Arduino\_Face\_Mask\_Temp\_Sensor

```

1  /*****
2  *Written by: SHAFIQ YAA
3  *DATE      : 27 July 20
4  *Project   : Arduino Fa
5  *****/
6
7  #include <Wire.h>
8  #include <LiquidCrystal_
9  #include <Servo.h>
10 #include <Ultrasonic.h>
11 #include <Adafruit_MLX90
12
13 #define SERVO_PIN
14 #define LED_GREEN
15 #define LED_RED
16 #define PUSH_BUTTON_PIN
17 #define USTRIG_PIN
18 #define USECHO_PIN
19
20 #define START_RUN
21 #define RESTART_ESP32
22 #define RESTART_SCAN
    
```





Arduino\_Face\_Mask\_Temp\_Sensor

```

1 //*****
2  *Written by: SHAFIQ YAACOB @ MYBOTIC www.mybotic.com.my
3  *DATE      : 27 July 2021
4  *Project   : Arduino Face Mask Detector with Temp Sensor
5  *****/
6
7 #include <Wire.h>
8 #include <LiquidCrystal_I2C.h>
9 #include <Servo.h>
10 #include <Ultrasonic.h>
11 #include <Adafruit_MLX90614.h>
12
13 #define SERVO_PIN          9
14 #define LED_GREEN          7
15 #define LED_RED            6
16 #define PUSH_BUTTON_PIN    8
17 #define USTRIG_PIN          12
18 #define USECHO_PIN          13
19
20 #define START_RUN           'a'
21 #define RESTART_SCAN        'n'
22 #define RESTART_SCAN

```

**Libraries successfully added**

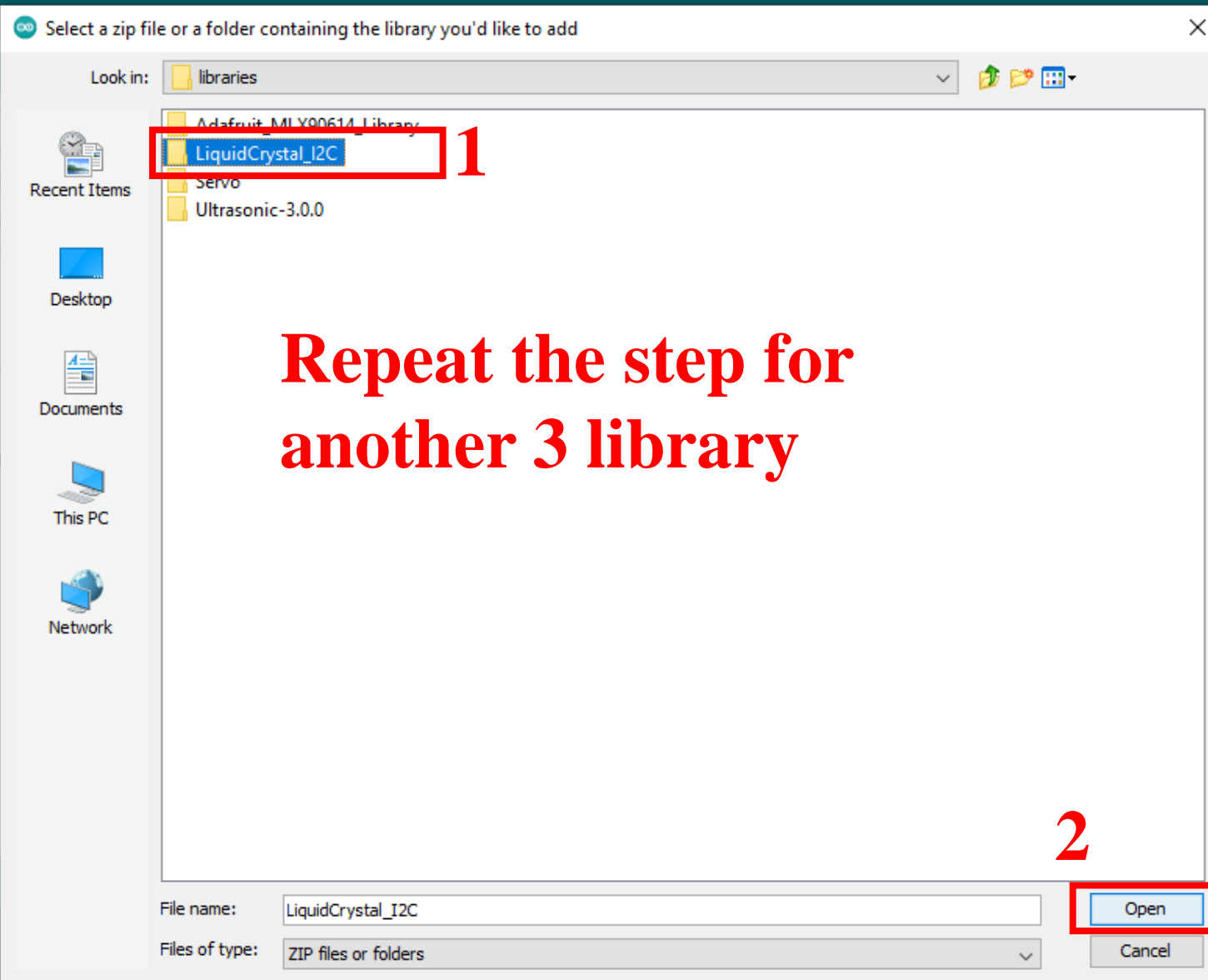
Library added to your libraries. Check "Include library" menu

A library named LiquidCrystal\_I2C already exists



Arduino\_Face\_Mask\_Temp\_Sensor

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9  #include <Servo.h>  
10 #include <Ultrasonic.h>  
11 #include <Adafruit_MLX90  
12  
13 #define SERVO_PIN  
14 #define LED_GREEN  
15 #define LED_RED  
16 #define PUSH_BUTTON_PIN  
17 #define USTRIG_PIN  
18 #define USECHO_PIN  
19  
20 #define START_RUN  
21 #define RESTART_ESP32  
22 #define RESTART_SCAN
```

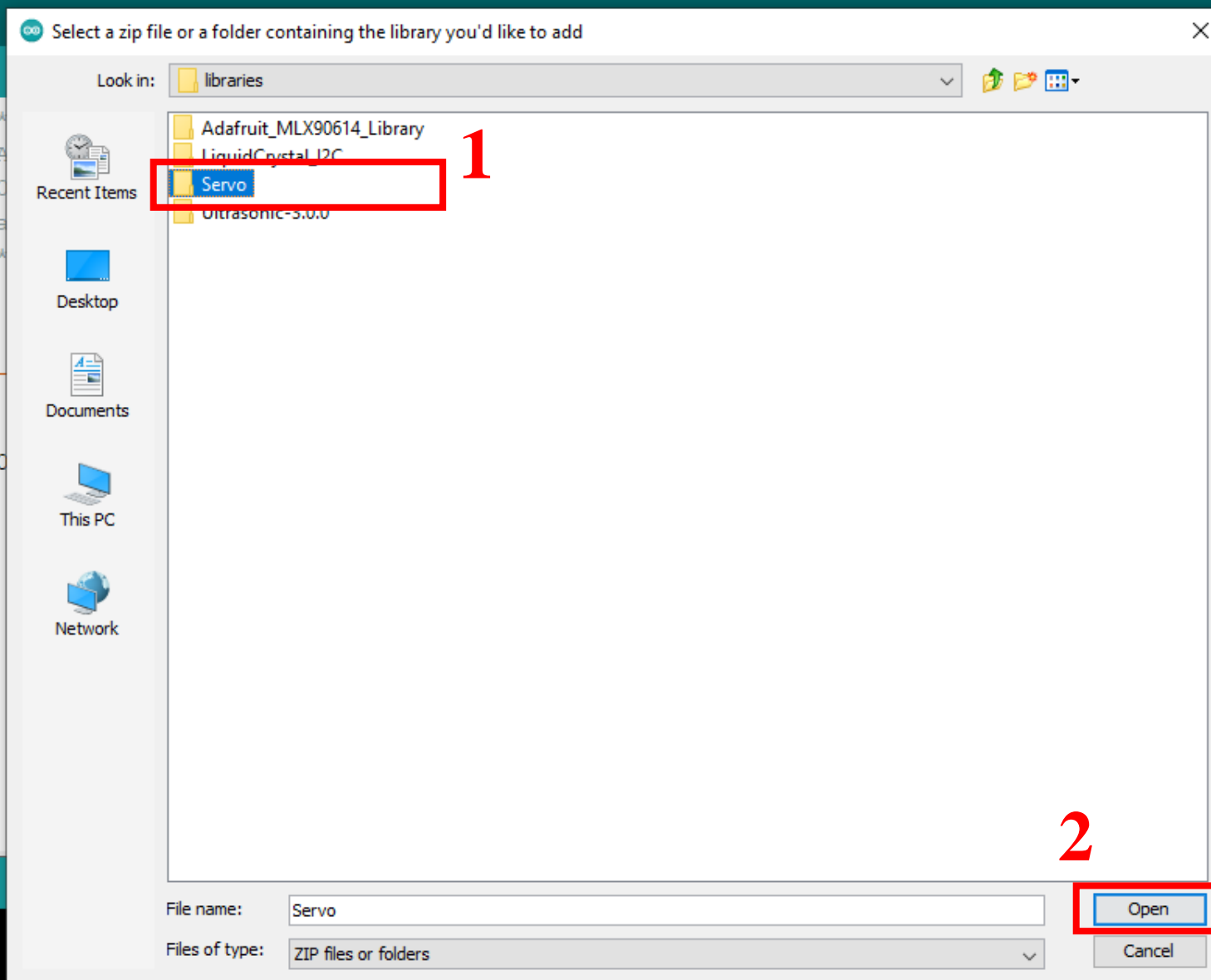




Arduino\_Face\_Mask\_Temp\_Sensor

```

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3  *DATE      : 27 July 20
4  *Project   : Arduino Fa
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8  #include <LiquidCrystal_
9  #include <Servo.h>
10 #include <Ultrasonic.h>
11 #include <Adafruit_MLX90
12
13 #define SERVO_PIN
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15 #define LED_RED
16 #define PUSH_BUTTON_PIN
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19
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Arduino\_Face\_Mask\_Temp\_Sensor

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1 /*****
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15 #define LED_RED
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17 #define USTRIG_PIN
18 #define USECHO_PIN
19
20 #define START_RUN
21 #define RESTART_ESP32
22 #define RESTART_SCAN
    
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