Programiz

C Online Compiler

main.c

Run

```c
#include<servo.h>
const int pingpin = 7;
int servopin =8;

servo servo1;

void setup()  {
  // initialize serial communication;
  serial.begin(9600);
  servo1.attach(servopin);
  pinmode(2,INPUT);
  pinmode(4,OUTPUT);
  pinmode(11,OUTPUT);
  pinmode(12,OUTPUT);
  pinmode(13,OUTPUT);
  pinmode(A0,INPUT);
  digitalwrite(2,LOW);
  digitalwrite(11,HIGH);

}

void loop()  {
```

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```
16    pinmode(A0,INPUT);
17    digitalwrite(2,LOW);
18    digitalwrite(11,HIGH);
19
20  }
21
22  void loop()  {
23
24      long duration,inches,cm;
25
26      pinmode(pingpin, OUTPUT);
27      digitalwrite(pingpin, LOW);
28      delaymicroseconds(2);
29      digitalwrite(pingpin, HIGH);
30      delaymicroseconds(5);
31      digitalwrite(pingpin, LOW);
32
33      // the same pin is used to read the signal from the PING))): a
            HIGH pulse
34      // whose duration is the time (in microseconds) from the sending
            of the ping
35      // to the recption of its echo off oof an object.
36      pinmode(pingpin, INPUT);
```

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```
33      // the same pin is used to read the signal from the PING))): a
            HIGH pulse
34      // whose duration is the time (in microseconds) from the sending
            of the ping
35      // to the recption of its echo off oof an object.
36      pinmode(pingpin, INPUT);
37      duration = pulseIn(pingpin, HIGH);
38
39      // convert the time into a distance
40      inches = miocrosecondsToInches(duration);
41      cm = microsecondsTocentimeters(duration);
42
43      //serial.print(inches);
44      //serial.print("in, ");
45      //serial.print(cm);
46      //serial.print("cm");
47      //serial.println();
48      //delay(100);
49  }
50
51
52
53
```

Programiz

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Output

Clear

```
gcc /tmp/ODDP2evGlm.c -lm
/tmp/ODDP2evGlm.c:1:9: fatal error: servo.h: No such file or directory
    1 | #include<servo.h>
      |         ^~~~~~~~~
compilation terminated.
```