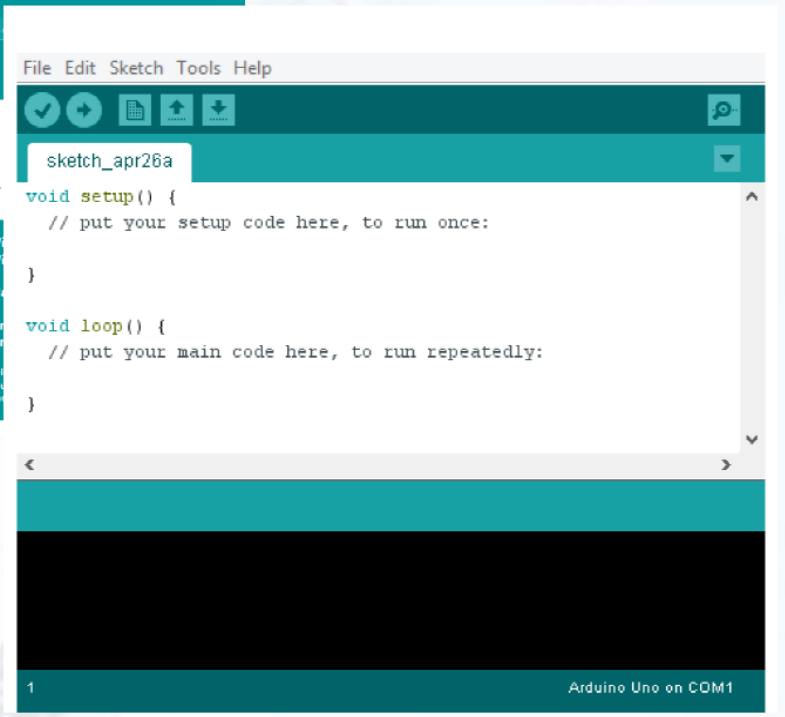
Software

Arduino IDE



Software

Arduino IDE

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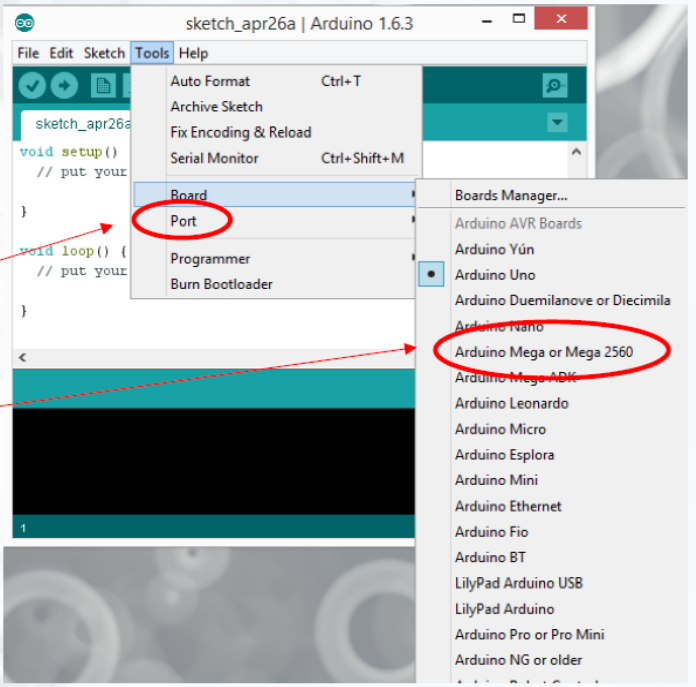
- Plug in your Arduino via USB
- Select the Port
- Select the board



Software

Code and libraries

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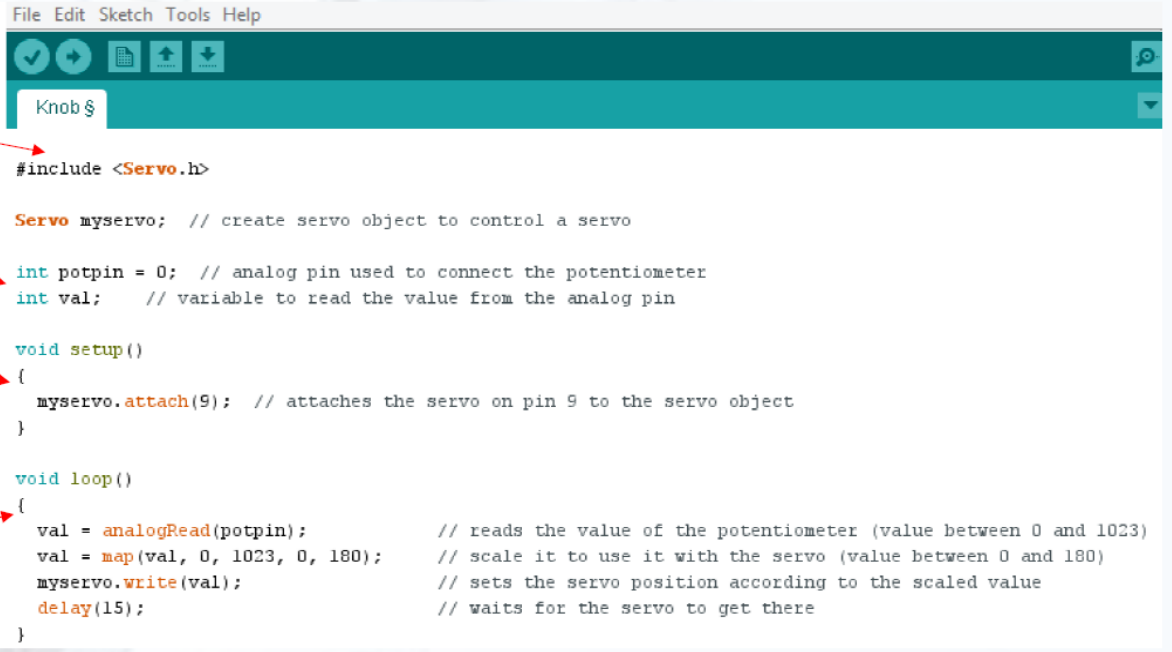
Library

Variables

Start-up conditions

Code

Functions




```
#include <Servo.h>

Servo myservo;  // create servo object to control a servo

int potpin = 0;  // analog pin used to connect the potentiometer
int val;    // variable to read the value from the analog pin

void setup()
{
  myservo.attach(9);  // attaches the servo on pin 9 to the servo object
}

void loop()
{
  val = analogRead(potpin);            // reads the value of the potentiometer (value between 0 and 1023)
  val = map(val, 0, 1023, 0, 180);     // scale it to use it with the servo (value between 0 and 180)
  myservo.write(val);                  // sets the servo position according to the scaled value
  delay(15);                           // waits for the servo to get there
}
```

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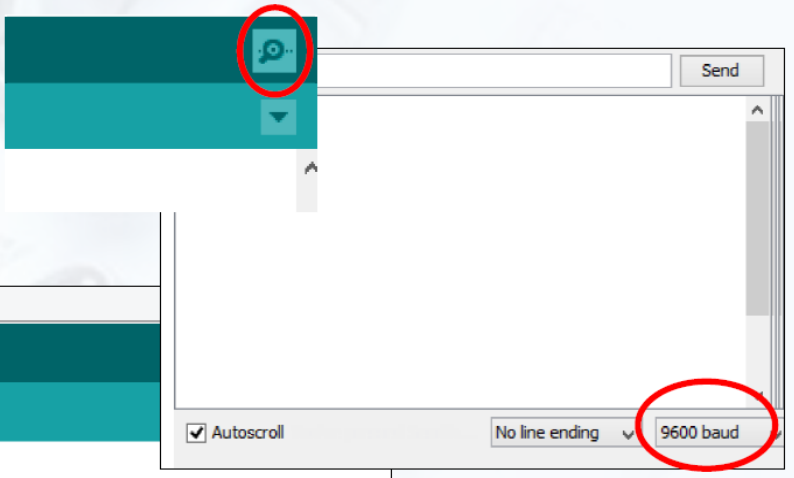
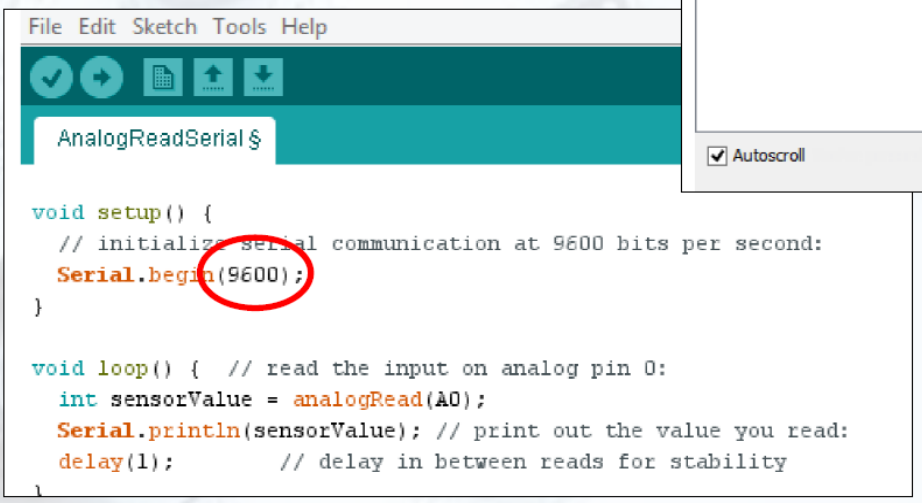
Serial Monitor - Debugging and troubleshooting

As your coding, output the values to the serial Monitor.





Software

Verify and Upload

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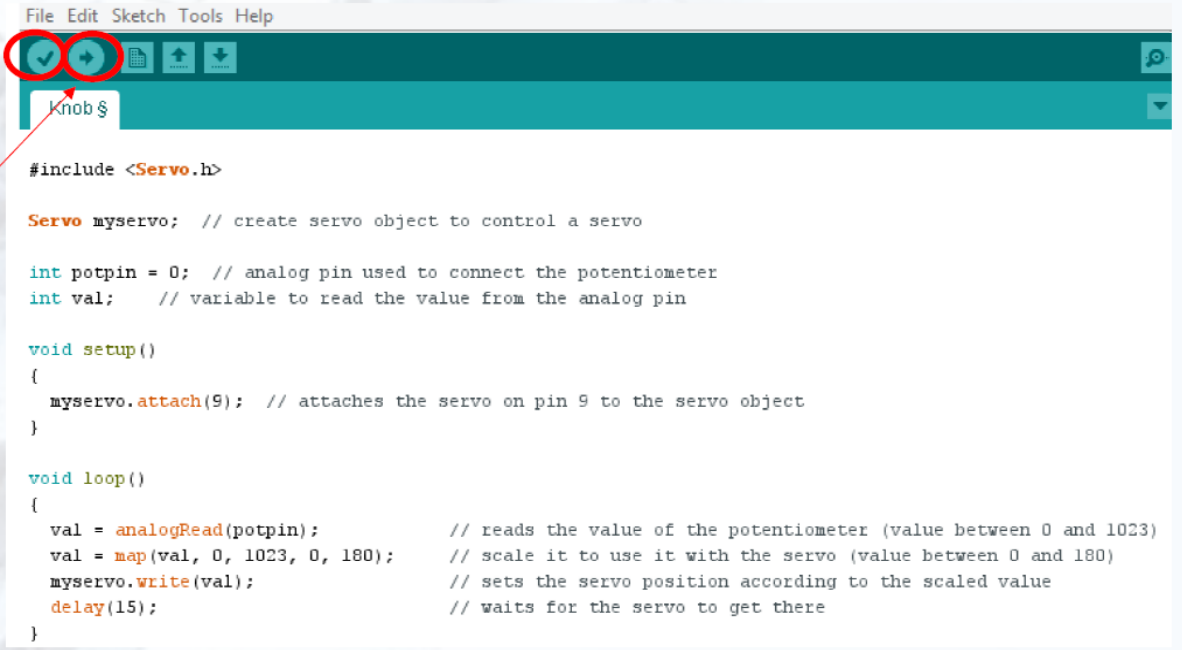
Verify

Upload

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