

DramaLab

Recap & Serial Monitor

Serial Monitor

- communication between the Arduino board and a computer or other devices
- All Arduino boards have at least one serial port (also known as a UART or USART)
- communication on pins 0 (RX) and 1 (TX)

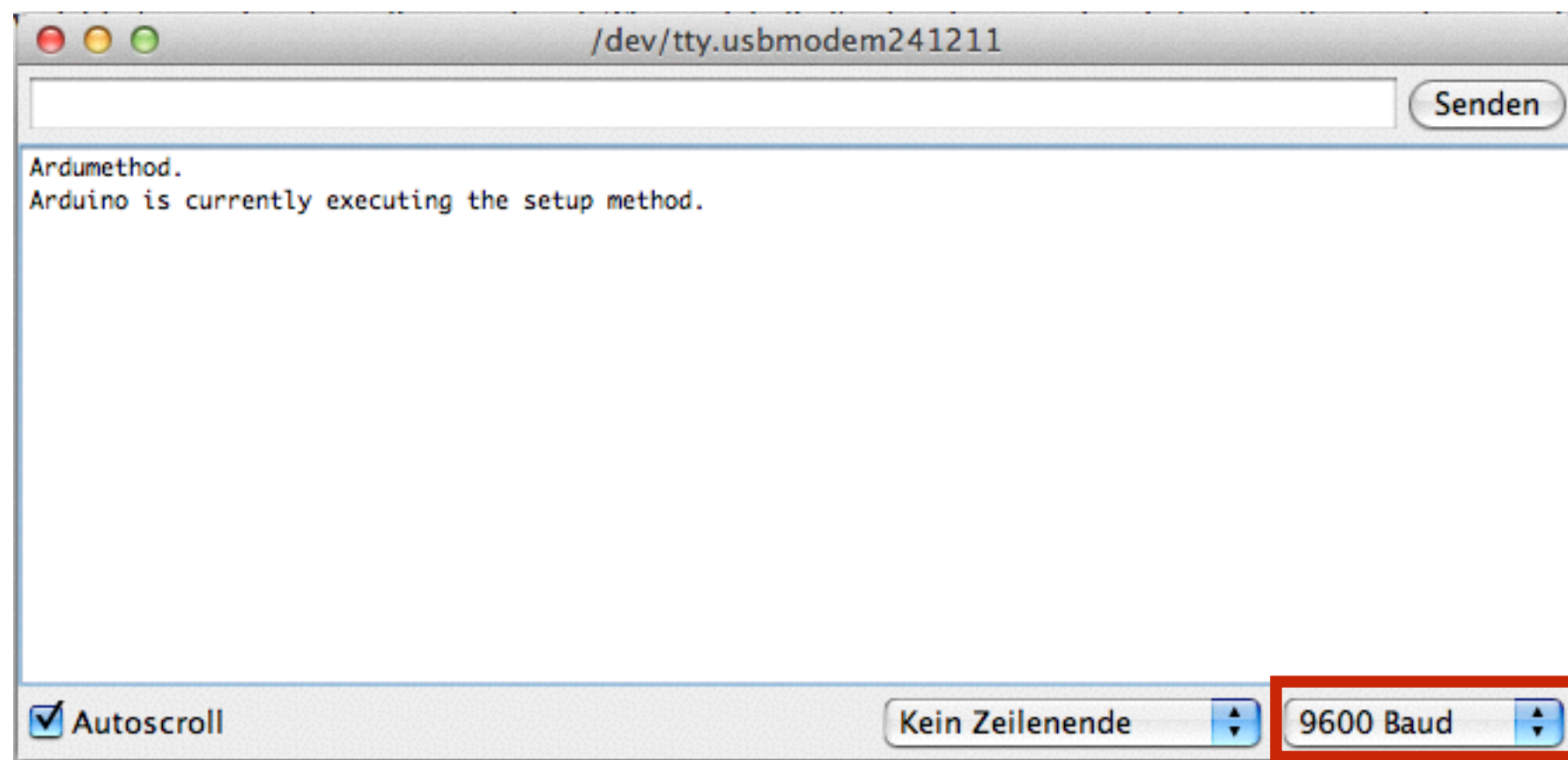
Using Serial Monitor

```
void setup() {  
  Serial.begin(9600);  
  Serial.print("Arduino is ");  
  Serial.print("currently executing ");  
  Serial.println("the setup method.");  
}  
  
void loop() {  
  if (Serial.available() > 0) {  
    char incomingChar = Serial.read();  
    Serial.print("Arduino received ");  
    Serial.println(incomingChar);  
  }  
}
```

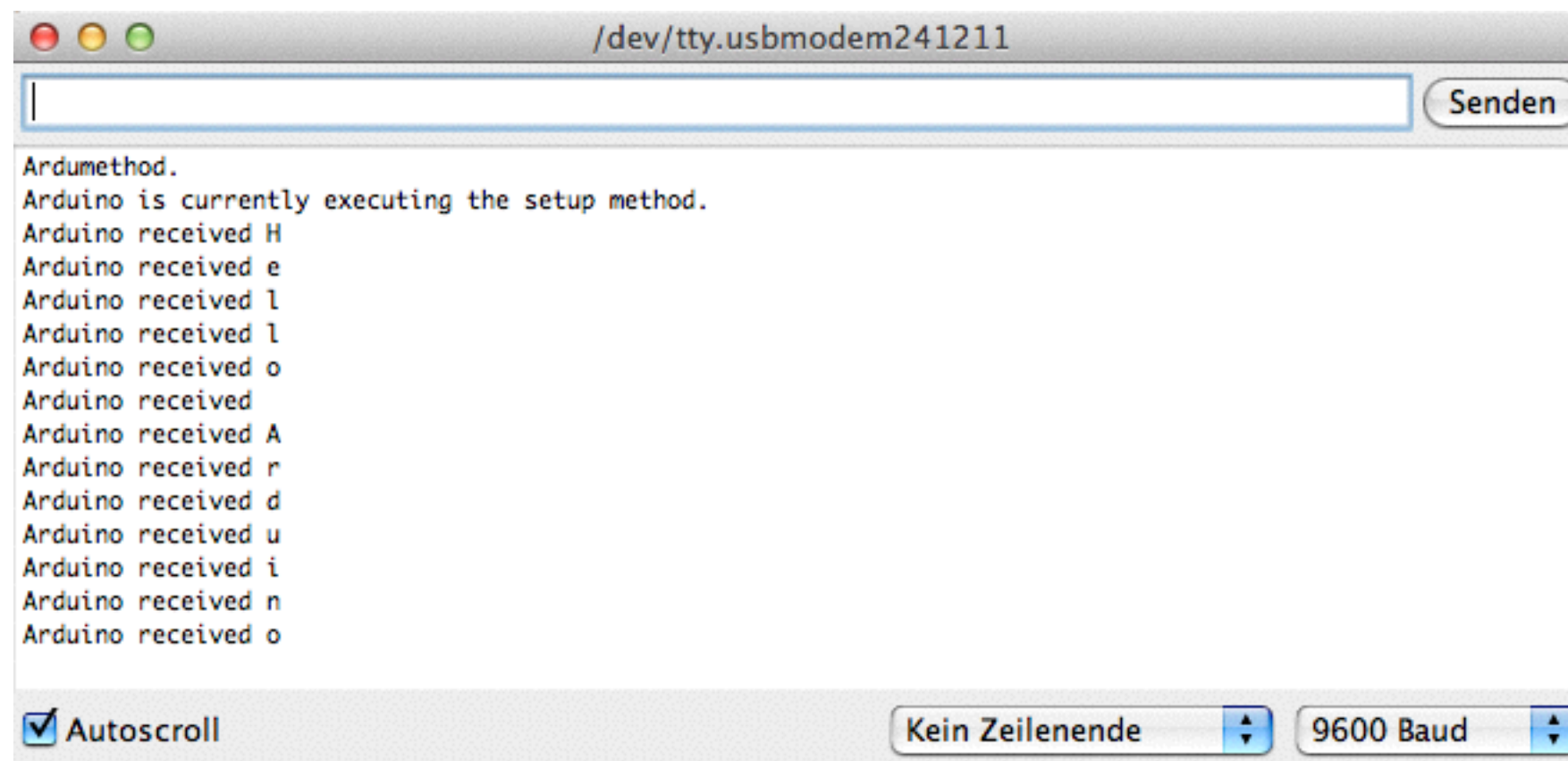
Using Serial Monitor



Using Serial Monitor



Using Serial Monitor



Using Serial Monitor

Tips and Tricks:

reading numbers: `Serial.parseFloat()`, `Serial.parseInt()`

read until specific character found: `Stream.readBytesUntil()`

Recap Exercises

- Switch on/off a single LED
- LED with Button
- LED with Button & State