

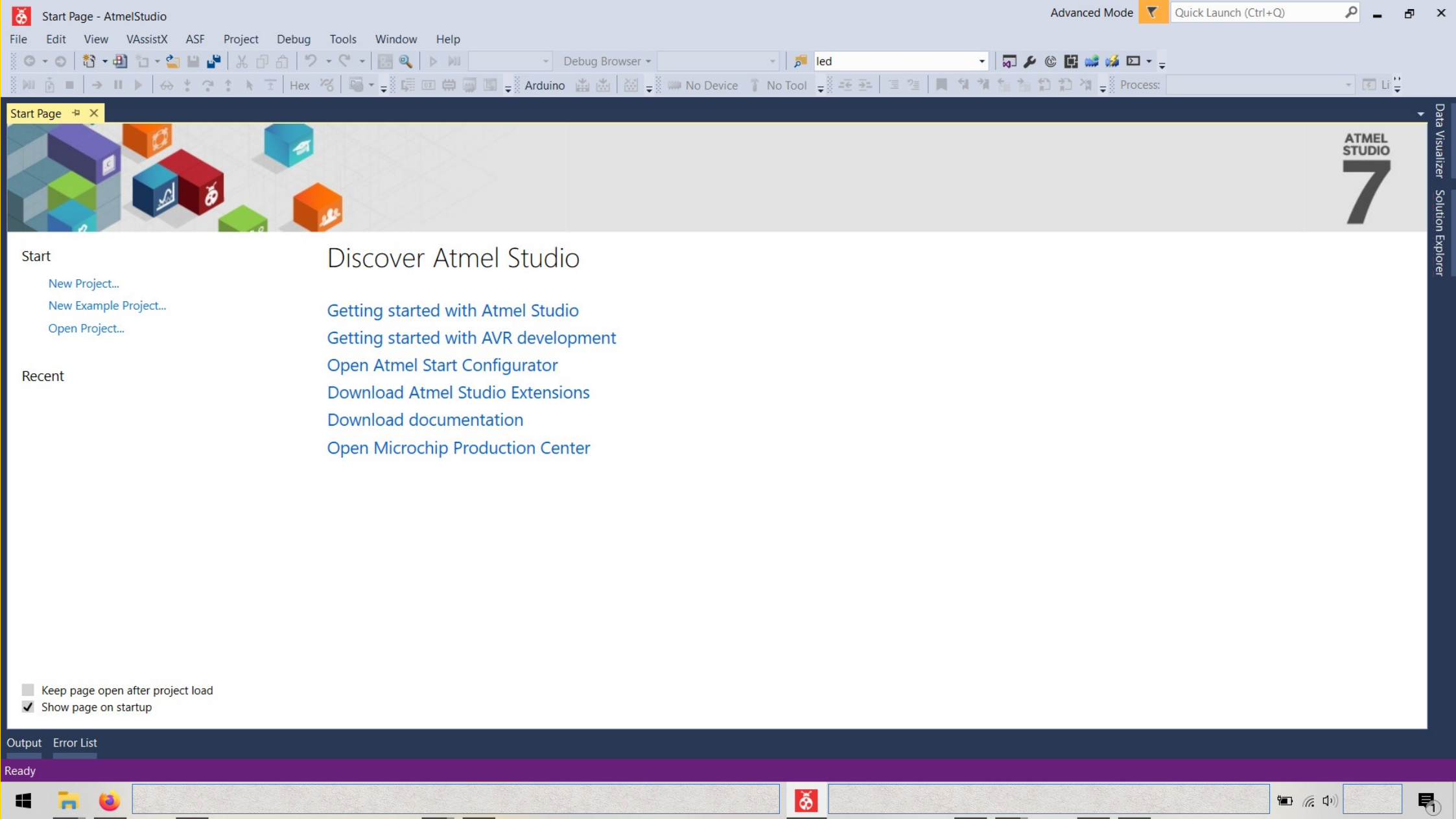
Montage und Programmierung
eines Roboters für
ROBOCUP JUNIOR RESCUE
mit Elegoo Car Kit
Teil 1.1: AtmelStudio und Arduino

Von Charlotte und Andreas



sketch_may26a

```
void setup() {  
  // put your setup code here, to run once:  
}  
  
void loop() {  
  // put your main code here, to run repeatedly:  
}
```



Start

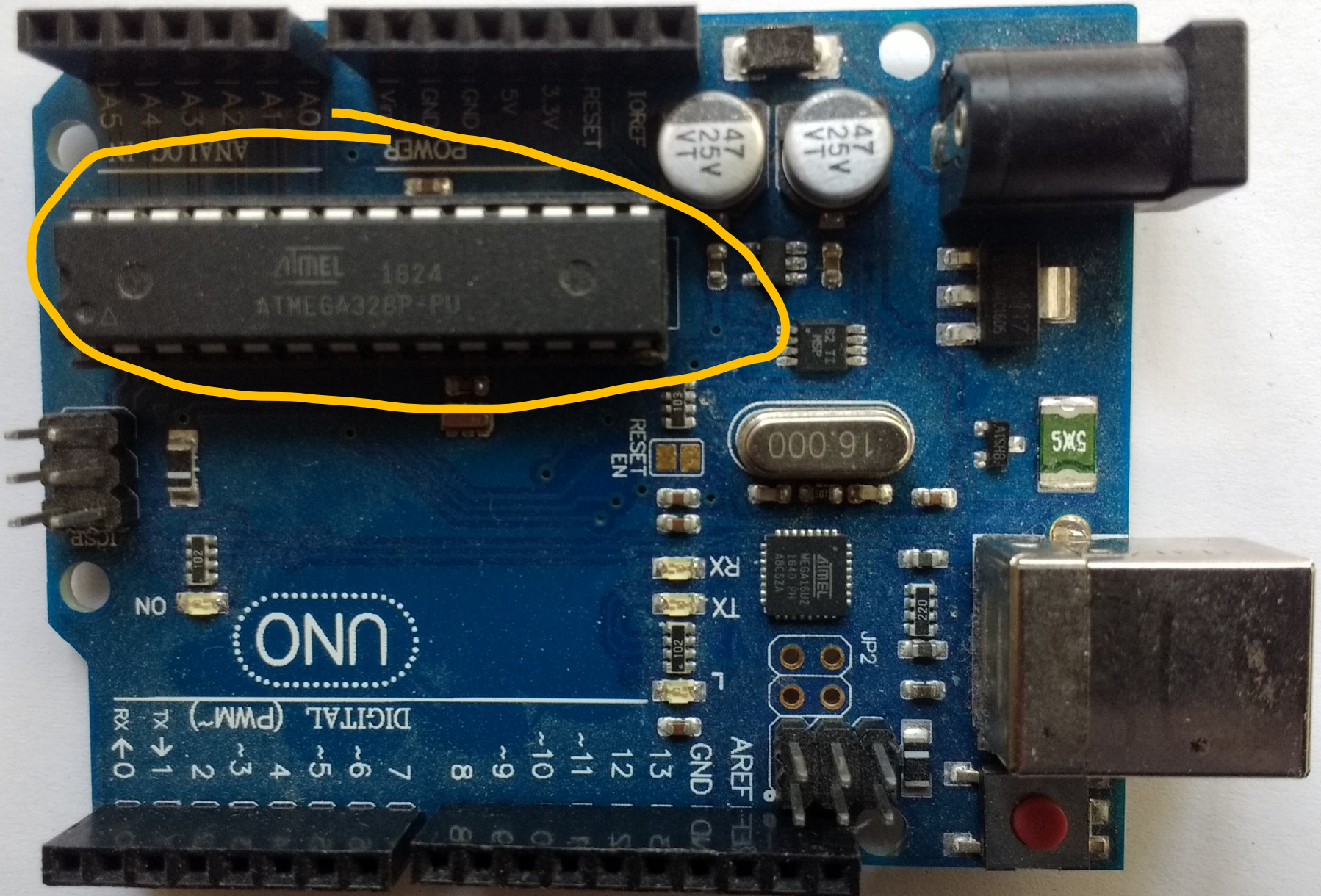
Discover Atmel Studio

- New Project...
- New Example Project...
- Open Project...

- Getting started with Atmel Studio
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ATMEL 1624
ATMEGA328P-PU

UNO

DIGITAL (PWM ~)
7 6 5 4 3 2 1
TX → RX ← 0

47 25V
47 25V

16,000

5V

ATMEL
MEGA16U2
16A0 9H
A8C32A

JP2

AREF
GND

ANALOG IN
A0 A1 A2 A3 A4 A5

POWER
GND 5V 3.3V
RESET
IREF

ICSP

ON

RESET
EN

DIGITAL IN
8 9 10 11 12 13

DIGITAL OUT
8 9 10 11 12 13

Windows (x86/x64)

Atmel Studio 7.0 (build 2397) web installer (recommended) -

This installer contains Atmel Studio 7.0 with Advanced Software Framework 3.47 and Toolchains. Use this installer if you have Internet access while installing.

October 2019

2.5 MB



Atmel Studio 7.0 (build 2397) offline installer -

This installer contains Atmel Studio 7.0 with Advanced Software Framework 3.47 and Toolchains. Use this installer if you do not have Internet access while installing.

October 2019

874 MB



SHA1: 8797e8e81ae0438459809fa0552f4f27998e46d1

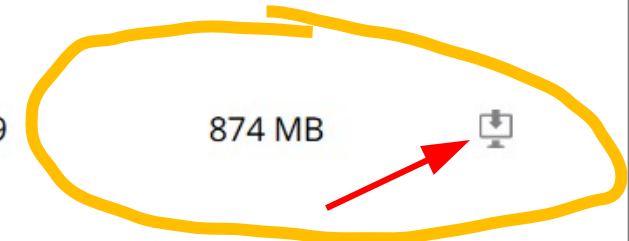
Version number: 7.0.2397

Release Notes

Atmel Studio 7.0 Release Notes -

October 2019

377 KB



Download the Arduino IDE



ARDUINO 1.8.12

The open-source Arduino Software (IDE) makes it easy to write code and upload it to the board. It runs on Windows, Mac OS X, and Linux. The environment is written in Java and based on Processing and other open-source software.

This software can be used with any Arduino board. Refer to the [Getting Started](#) page for Installation instructions.

oder

Windows Installer, for Windows 7 and up
Windows ZIP file for non admin install

Windows app Requires Win 8.1 or 10



Mac OS X 10.10 or newer

Linux 32 bits

Linux 64 bits

Linux ARM 32 bits

Linux ARM 64 bits

[Release Notes](#)

[Source Code](#)

[Checksums \(sha512\)](#)

Besucher

Insgesamt: 2.869

In der letzten Std.: 1

Maximum in 1 Std.: 9



Grundlagen mit Atmel Studio in der Programmiersprache C

- Willkommen
- Grundlagen
- Tutorials**
- Kooperation mit...
- Facebook Gruppe
- Impressum / Disclaimer
- Datenschutz

[Start](#) → [Tutorials](#) → Atmel Studio & avrdude

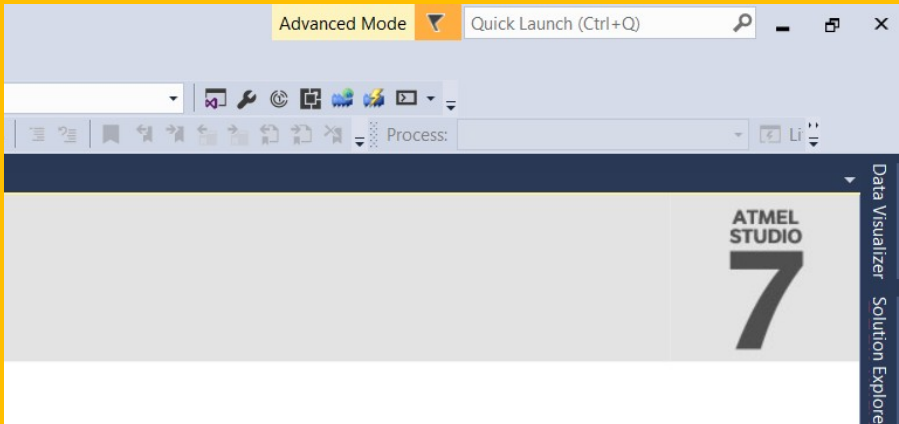
Einrichten des Atmel Studio zum Programmieren eines bootloaders.

1. Schritt

Um mit Atmel Studio einen bootloader zu programmieren wie es z.B. beim Arduino der Fall ist. Benötigen wir zuerst die

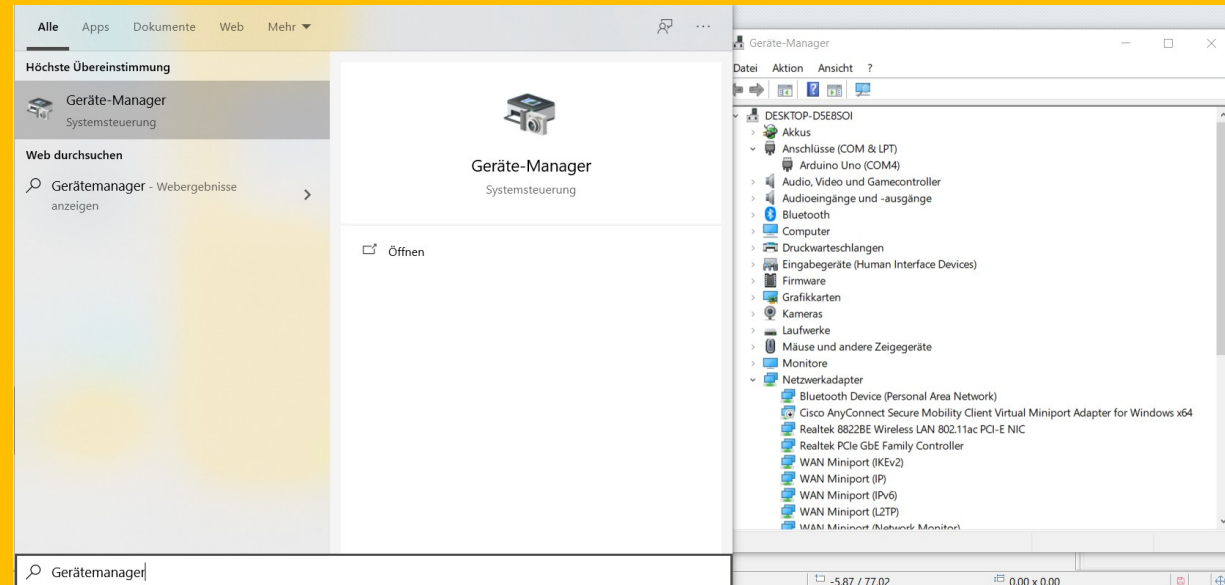
Homepage von Ron Hiestermann:

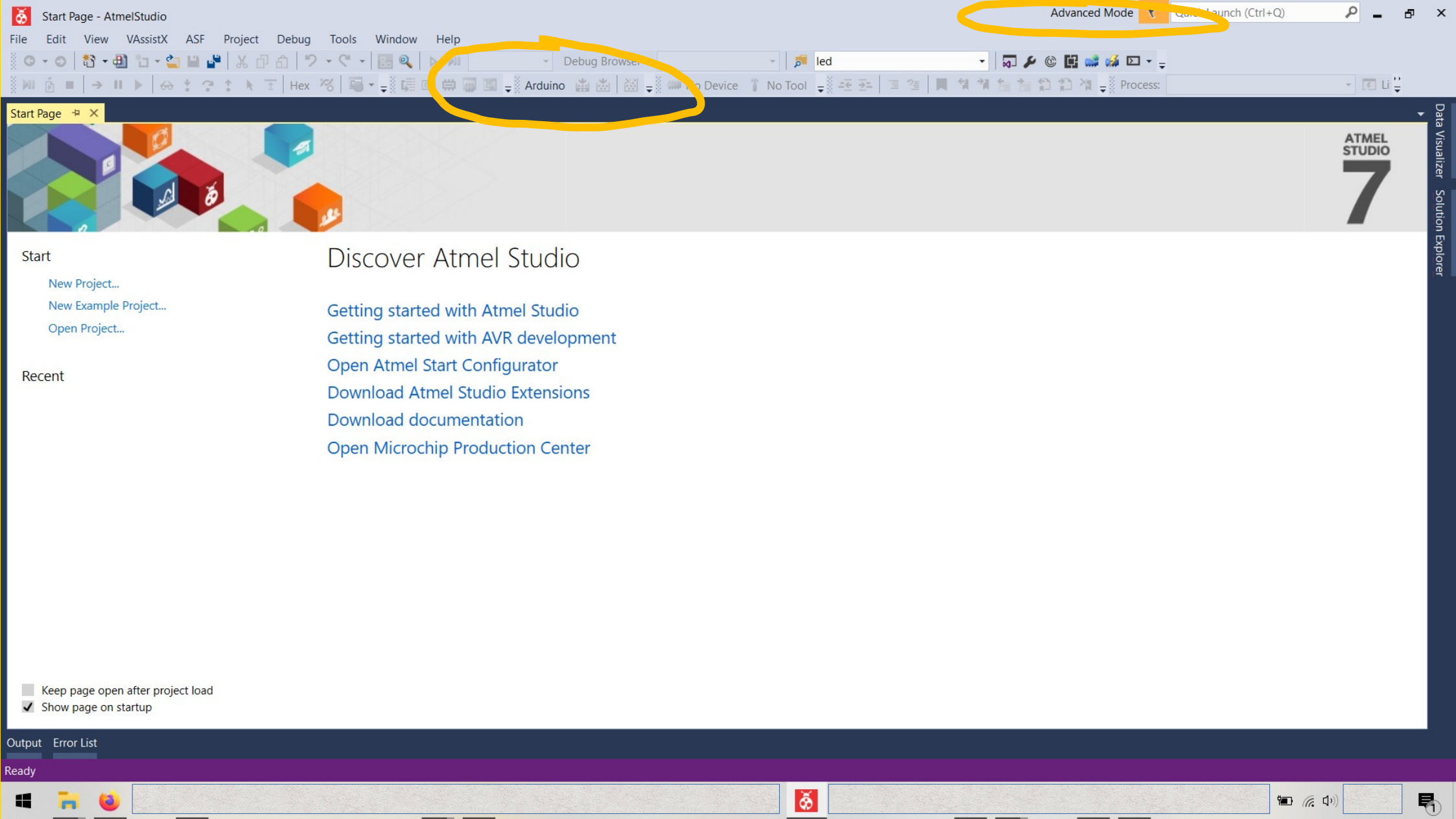
Ergänzung 2. Schritt:



Ergänzung 3. Schritt:

Um den benutzten COM-Port heraus zu bekommen, reicht es, den Arduino Baustein an den Computer anzuschließen und in Win 10, entweder die „Windows-Taste“ drücken oder das Windows Symbol unten links anzuklicken. Dann in, das sich öffnende, Fenster Gerätemanager eingeben und auf Anschlüsse doppelklicken. Bei mir steht da: **Arduino Uno (COM4)**





Start

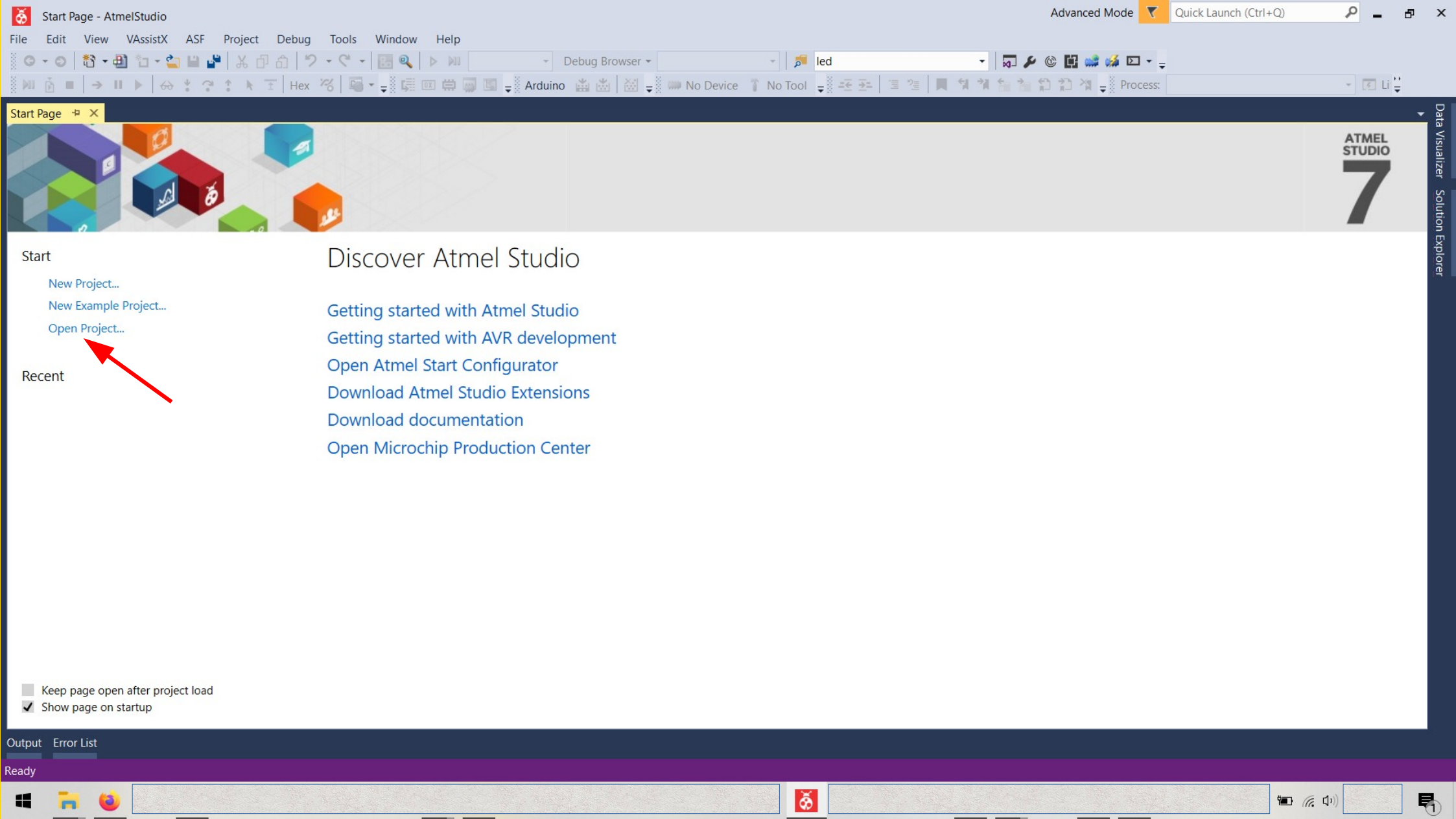
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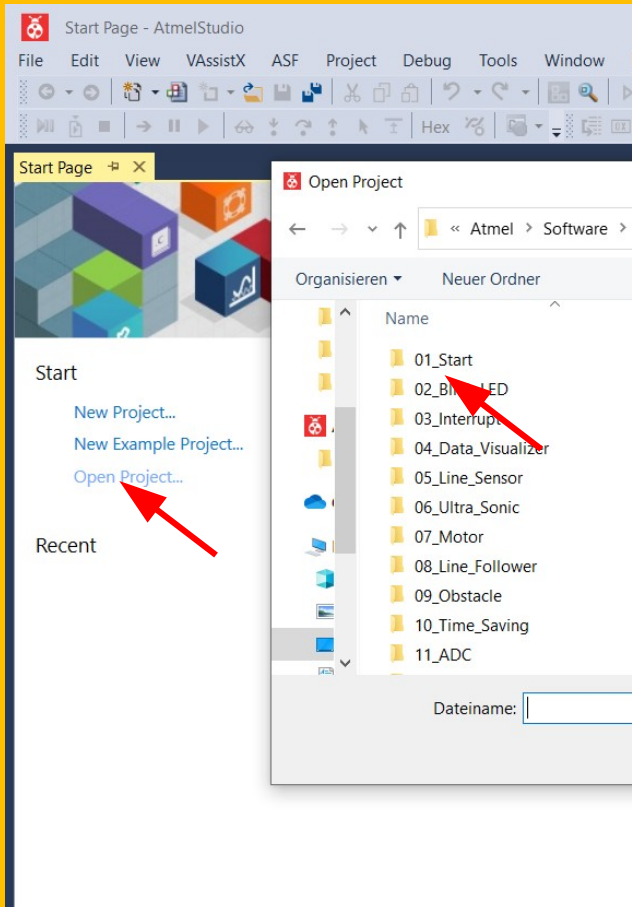
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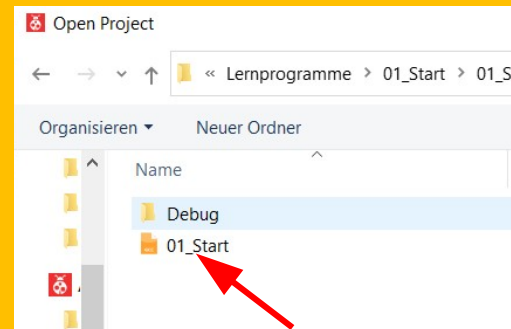
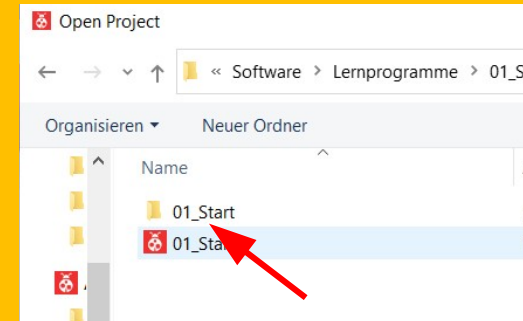
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1.) Klick auf:
Open Project

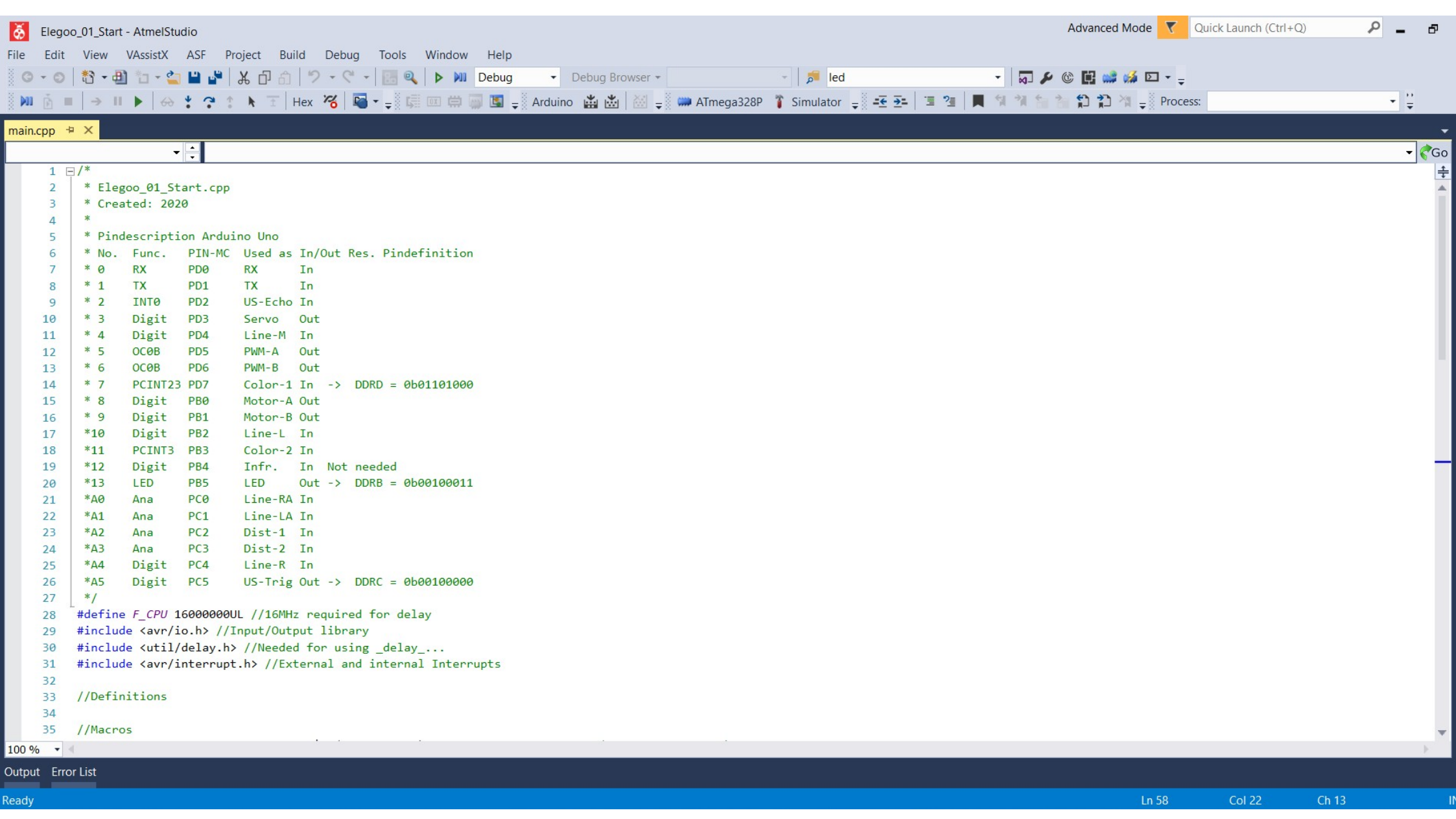
2.) Doppelklick auf:
01_Start



3.) Doppelklick auf:
01_Start



4.) Doppelklick auf:
01_Start



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Teil 2.0: Hello World

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