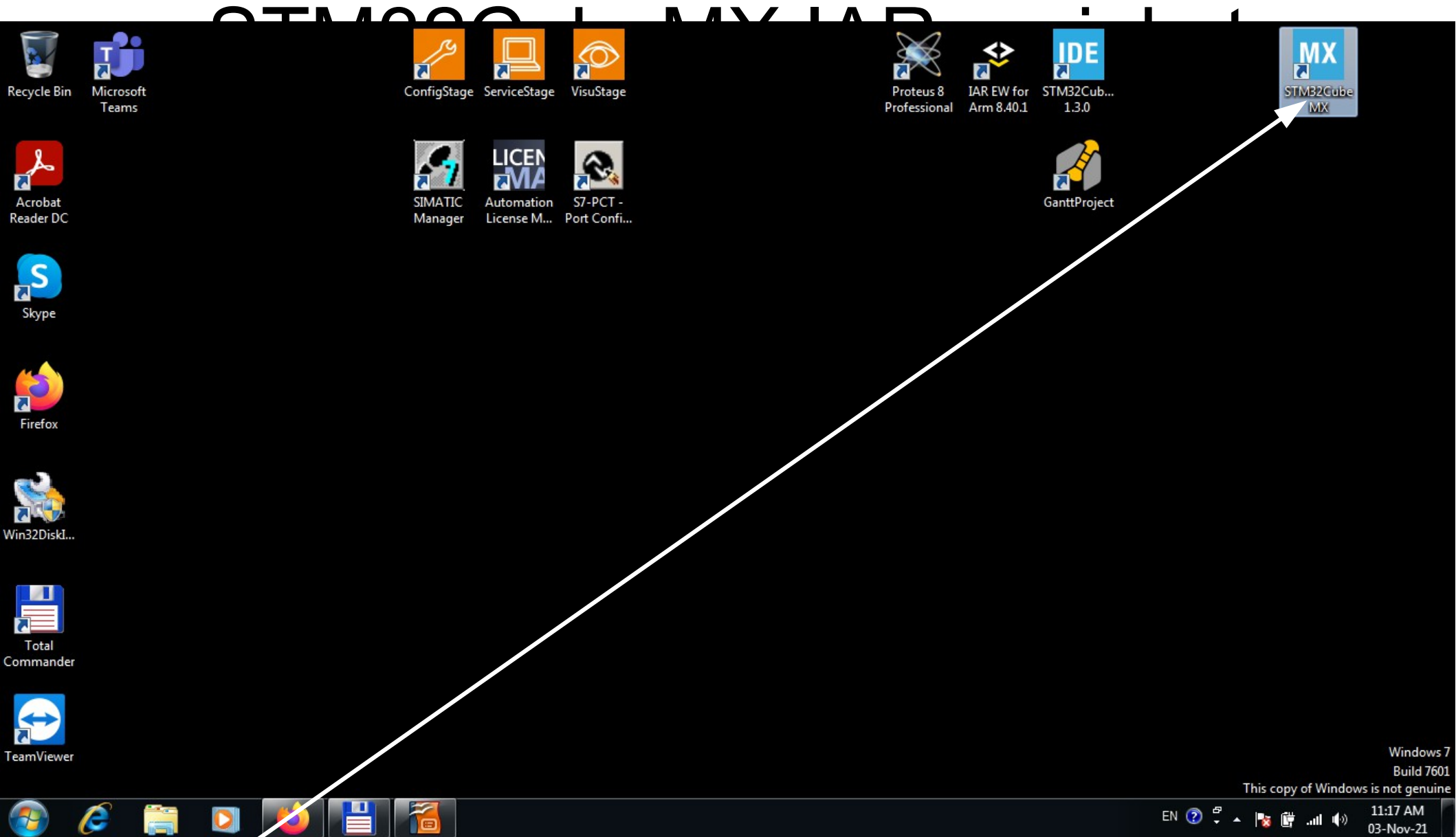
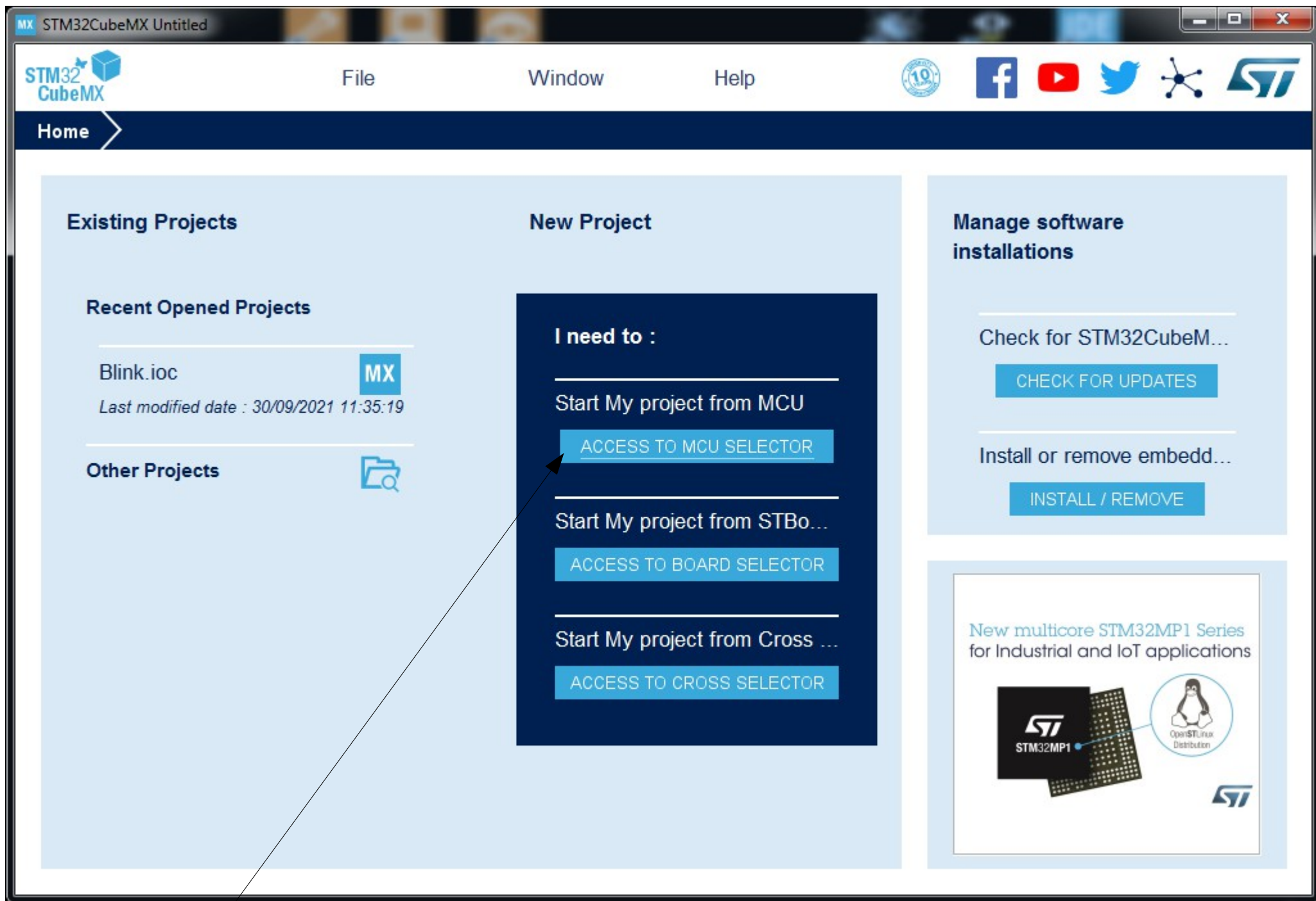






STM32CubeMX IAR projekat

The screenshot shows the STM32CubeMX software interface. The top bar indicates 'New Project from a MCU/MPU'. The 'MCU/MPU Selector' tab is active, showing a search for 'STM32F103C6'. The left sidebar contains filters for Core, Series, Line, Package, and Other, with specific values like Price = 1.891, IO = 37, Eeprom = 0 (Bytes), Flash = 32 (kBytes), Ram = 10 (kBytes), and Freq. = 72 (MHz). The main area displays the 'STM32F103C6' MCU details, including its features, unit price, and package type (LQFP48). A table at the bottom lists similar items.

MCU/MPU Filters

Part Number Search

Core

Series

Line

Package

Other

Price = 1.891

IO = 37

Eeprom = 0 (Bytes)

Flash = 32 (kBytes)

Ram = 10 (kBytes)

Freq. = 72 (MHz)

Features

Block Diagram

Docs & Resources

Datasheet

Buy

Start Project

STM32F103C6

Mainstream Performance line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN

ACTIVE Active

Product is in mass production

Unit Price for 10kU (US\$): 1.891

LQFP48

The STM32F103x4 and STM32F103x6 performance line family incorporates the high-performance ARM® Cortex-M3 32-bit RISC core operating at a 72 MHz frequency, high-speed embedded memories (Flash memory up to 32 Kbytes and SRAM up to 6 Kbytes), and an extensive range of enhanced I/Os and peripherals connected to two APB buses. All devices offer two 12-bit ADCs, three general purpose 16-bit timers plus one PWM timer, as well as standard and advanced communication interfaces: up to two I²Cs and SPIs, three USARTs, an USB and a CAN.

The STM32F103xx low-density performance line family operates from a 2.0 to 3.6 V power supply. It is available in both the 40 to +85 °C

MCUs/MPUs List: 2 items

Display similar items

Export

*	Part No	Reference	Marketing St...	Unit Price for 10kU ...	Board	Package	Flash	RAM	IO	Freq.
☆	STM32F103C6	STM32F103C6Tx	Active	1.891		LQFP48	32 kBytes	10 kBytes	37	72 MHz
☆	STM32F103C6	STM32F103C6...	Active	1.891		UFQFP...	32 kBytes	10 kBytes	37	72 MHz

STM32CubeMX IAR projekat

The screenshot displays the STM32CubeMX software interface. On the left, the 'MCU/MPU Selector' tab is active, showing a search bar with 'STM32F103C6' and various filter options like Core, Series, Line, Package, and Other. The 'Other' filter shows a price of 1.891, IO = 37, Eeprom = 0 (Bytes), Flash = 32 (kBytes), Ram = 10 (kBytes), and Freq. = 72 (MHz). The main area shows the 'Features' tab for the 'STM32F103C6' microcontroller. It includes a description: 'Mainstream Performance line, Arm Cortex-M3 MCU with 32 Kbytes of Flash memory, 72 MHz CPU, motor control, USB and CAN'. Below this, it states 'ACTIVE' and 'Product is in mass production'. The unit price for 10kU (US\$) is 1.891. The package is LQFP48. A 'Start Project' button is visible in the top right. At the bottom, a table lists 'MCUs/MPUs List: 2 items'.

* Part No	Reference	Marketing St...	Unit Price for 10kU ...	Board	Package	Flash	RAM	IO	Freq.
☆ STM32F103C6	STM32F103C6Tx	Active	1.891		LQFP48	32 kBytes	10 kBytes	37	72 MHz
☆ STM32F103C6	STM32F103C6...	Active	1.891		UFQFP...	32 kBytes	10 kBytes	37	72 MHz

STM32CubeMX Untitled*: STM32F103C6Tx

File Window Help

Home > STM32F103C6Tx > Untitled - Pinout & Configuration > GENERATE CODE

Pinout & Configuration Clock Configuration Project Manager Tools

Additional Software Pinout

Pinout view System view

Categories A->Z

- System Core >
- Analog >
- Timers >
- Connectivity >
- Computing >
- Middleware >

STM32F103C6Tx LQFP48

GPIO_Output

MCUs Selection Output

Series	Lines	Mcu	Package	Required Peripherals
STM32F1	STM32F103	STM32F103C6Tx	LQFP48	None

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Setujemo kao Output

MX STM32CubeMX Untitled*: STM32F103C6Tx

File Window Help

Home > STM32F103C6Tx > **Untitled - Pinout & Configuration** GENERATE CODE

Pinout & Configuration **Clock Configuration** **Project Manager** **Tools**

Additional Software Pinout

Search

Categories **A->Z**

System Core ▼

- DMA
- GPIO
- IWDG
- NVIC
- RCC**
- ✓ SYS
- WWDG

Analog >

Timers >

Connectivity >

Computing >

RCC Mode and Configuration

Mode

High Speed Clock (HSE) Disable

Low Speed Clock (LSE) Disable

☐ Master Clock Output

Configuration

Reset Configuration

✓ User Constants ✓ NVIC Settings

✓ Parameter Settings

Parameters :

☐

Parameters

Pinout view System view

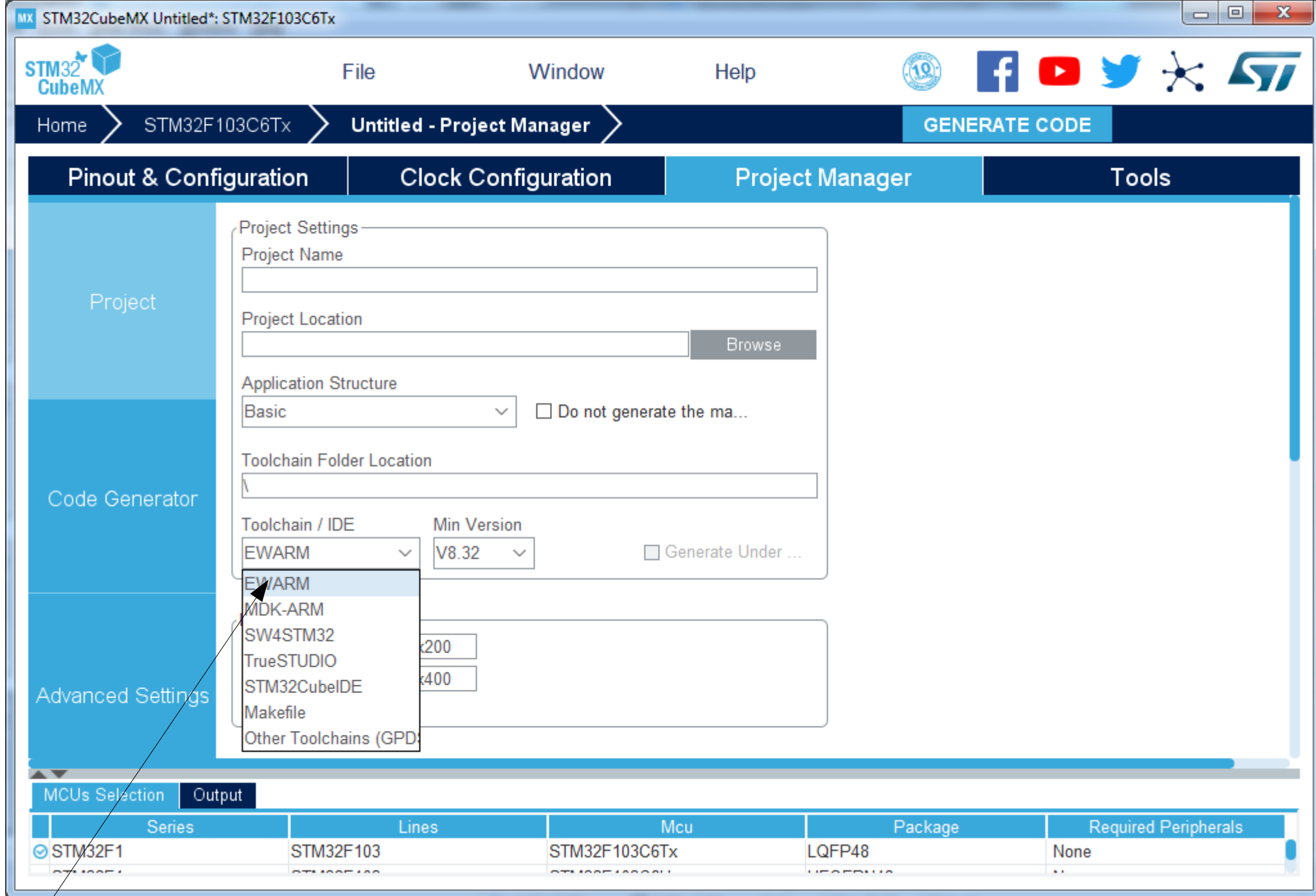
Pinout view showing the STM32F103C6Tx LQFP48 package with pins labeled. The PA5 pin is highlighted in green and labeled "GPIO_Output".

MCUs Selection **Output**

Series	Lines	Mcu	Package	Required Peripherals
STM32F1	STM32F103	STM32F103C6Tx	LQFP48	None

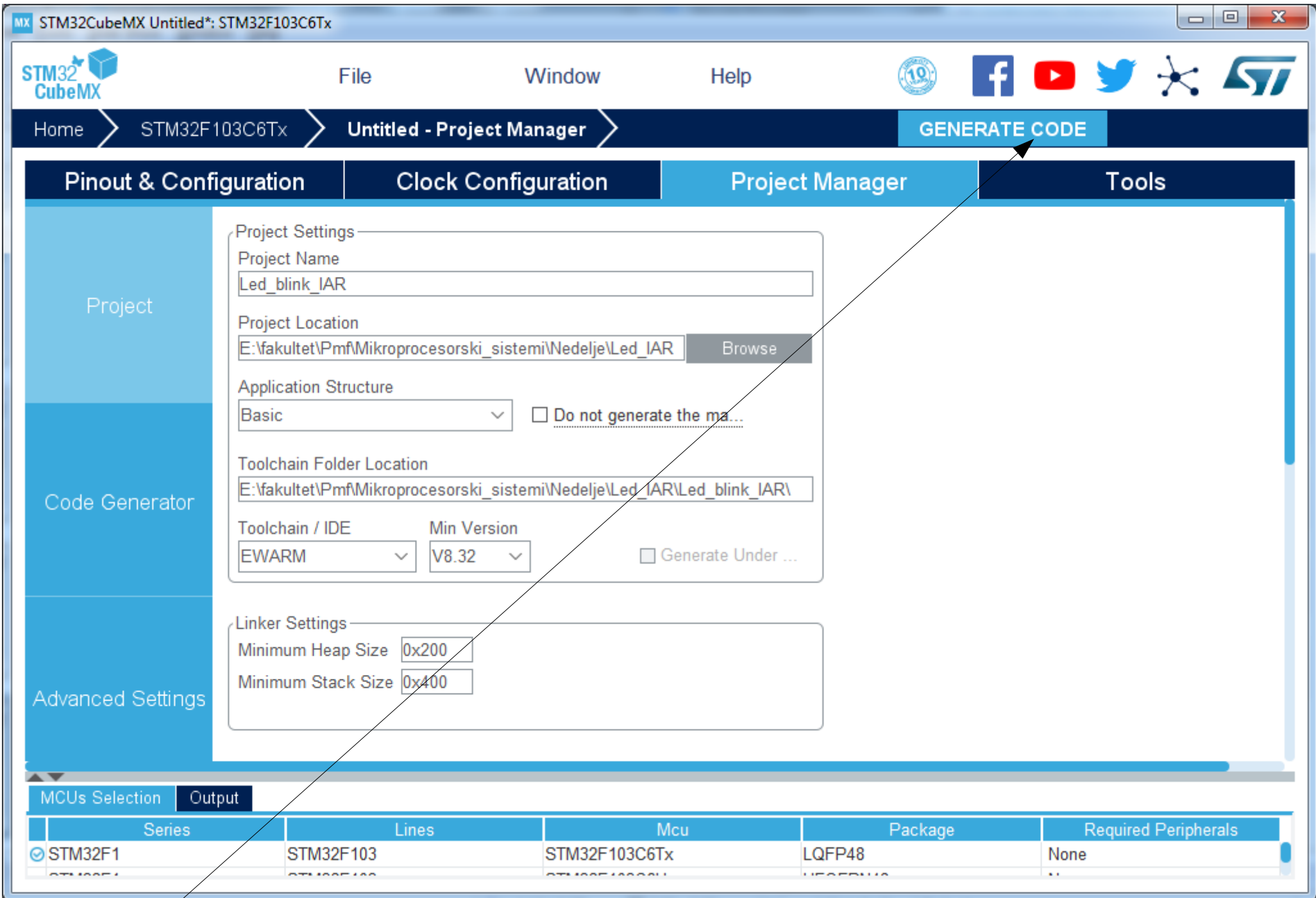
Aleksandar Peulic

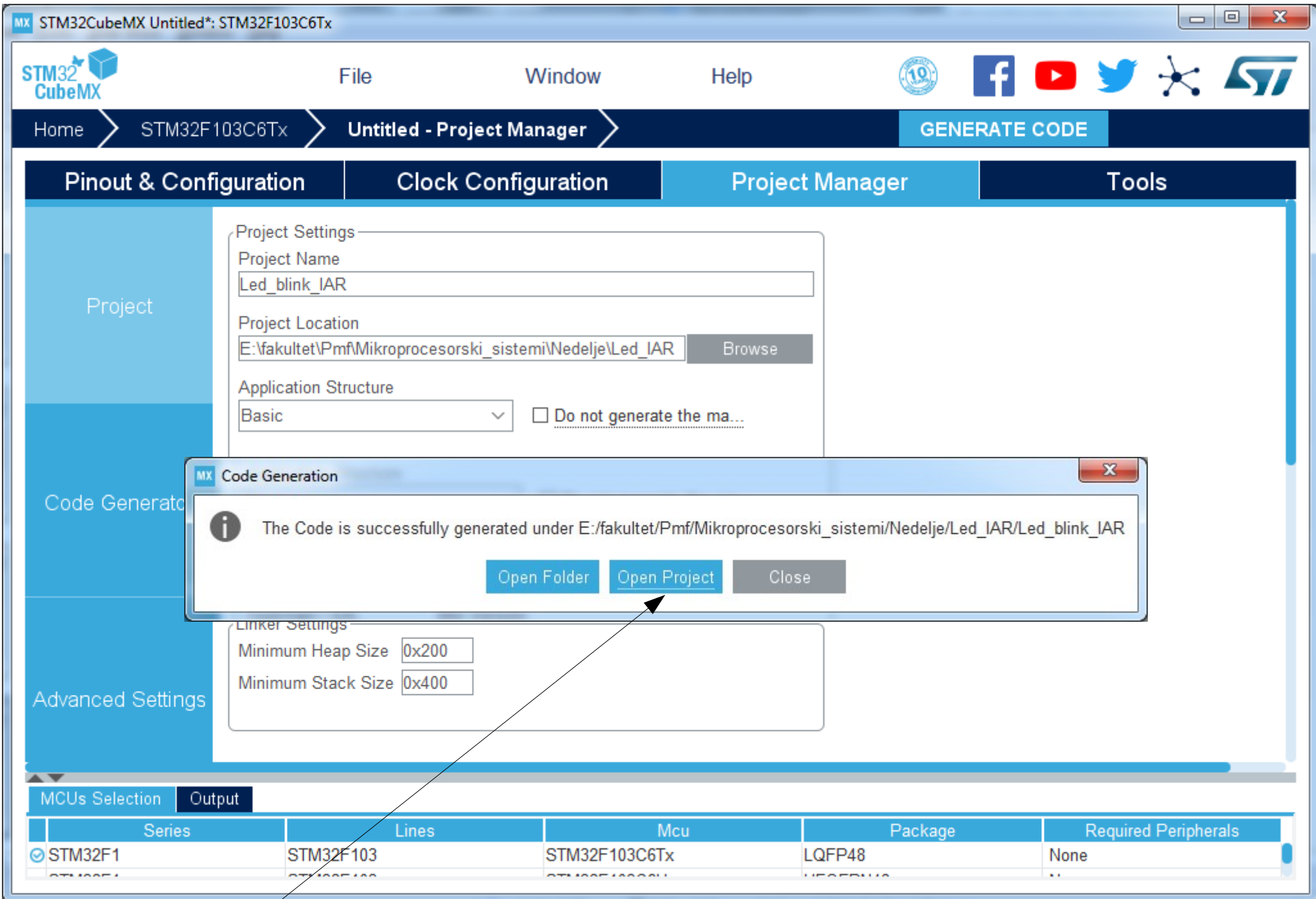
Koristimo interni RCC



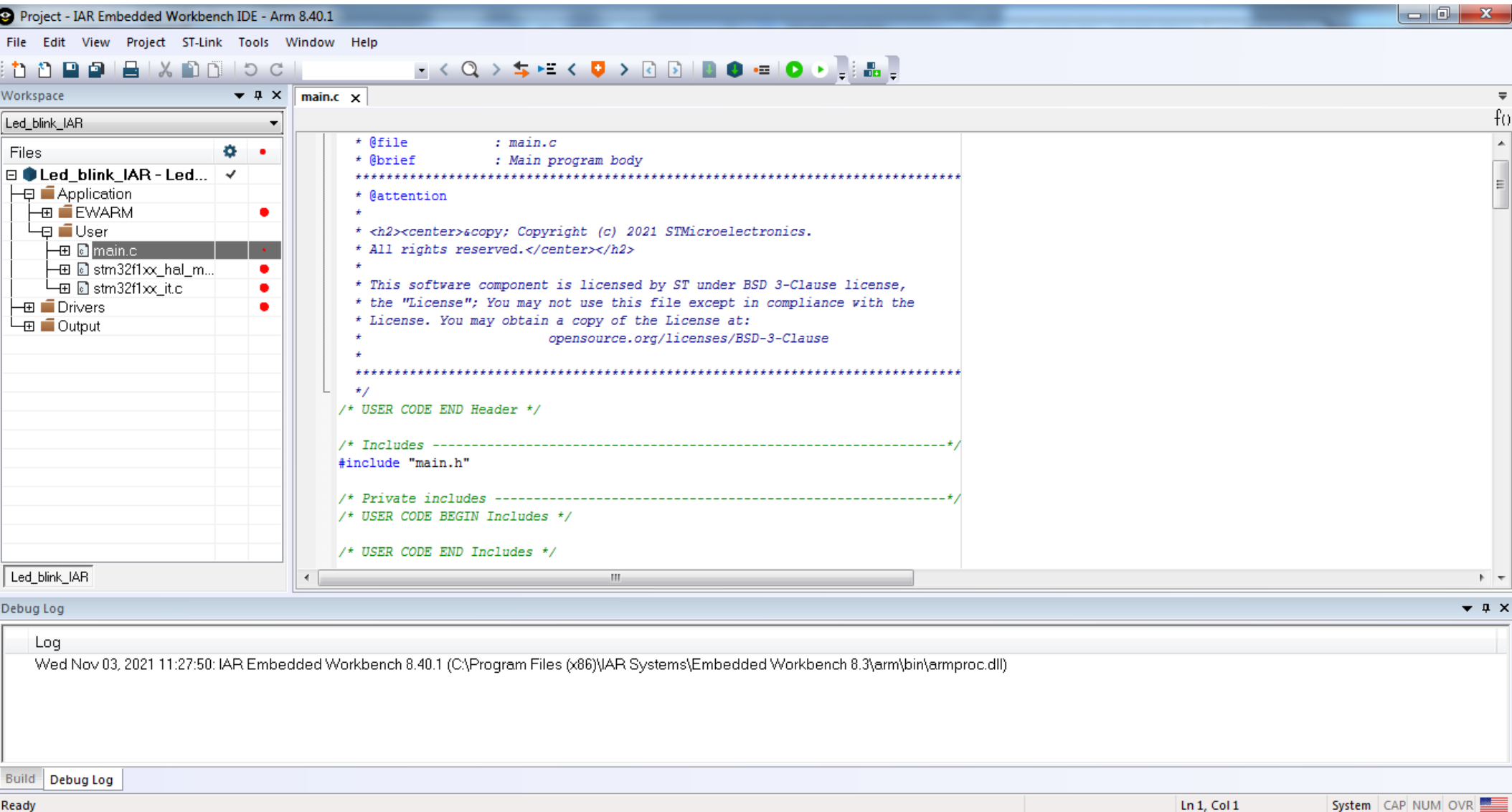
Aleksandar Peulic

Biramo alat za razvoj, EWARM je IAR Embedded Workbench for Arm

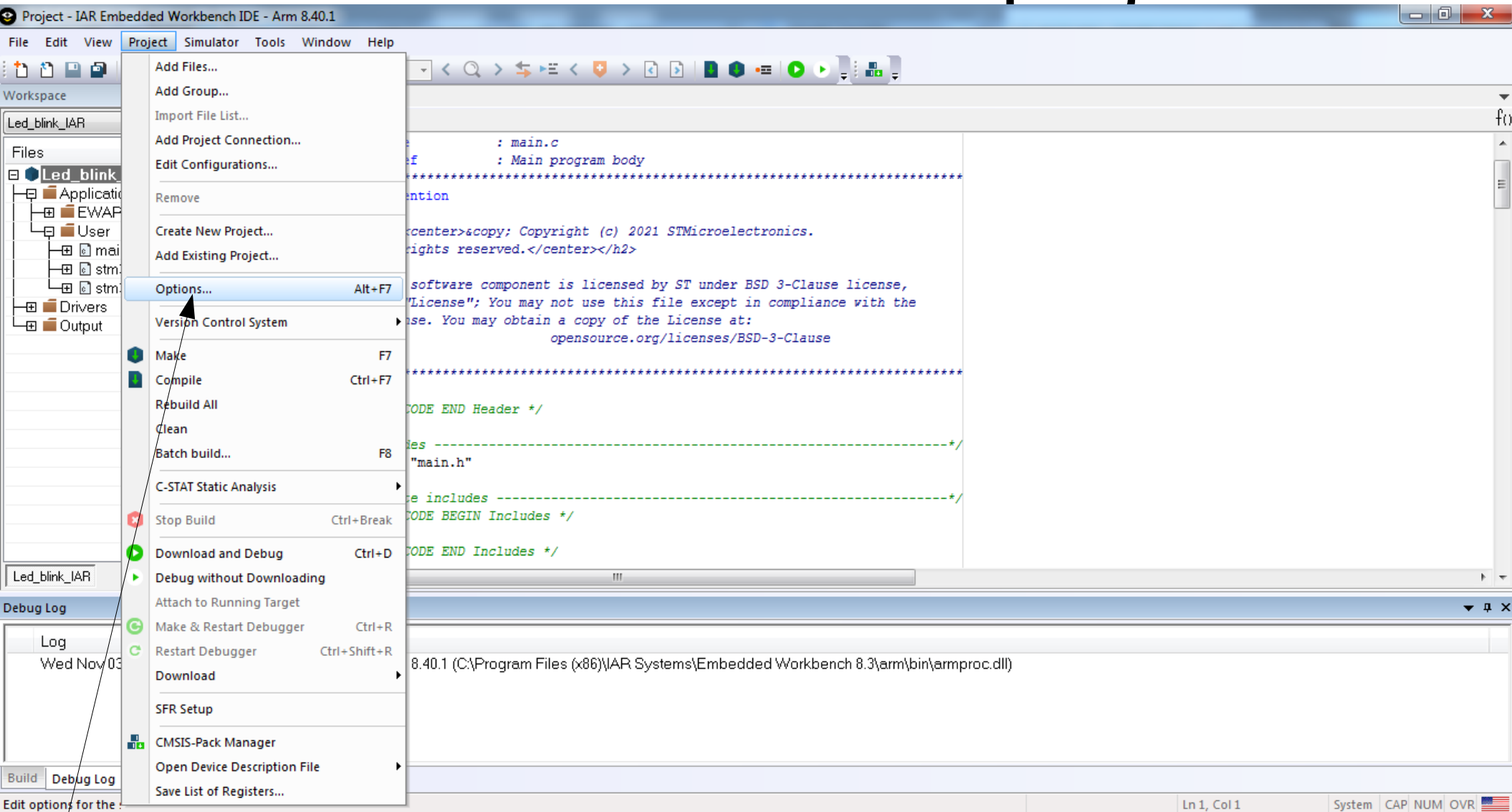




STM32CubeMX IAR projekat



STM32CubeMX IAR projekat

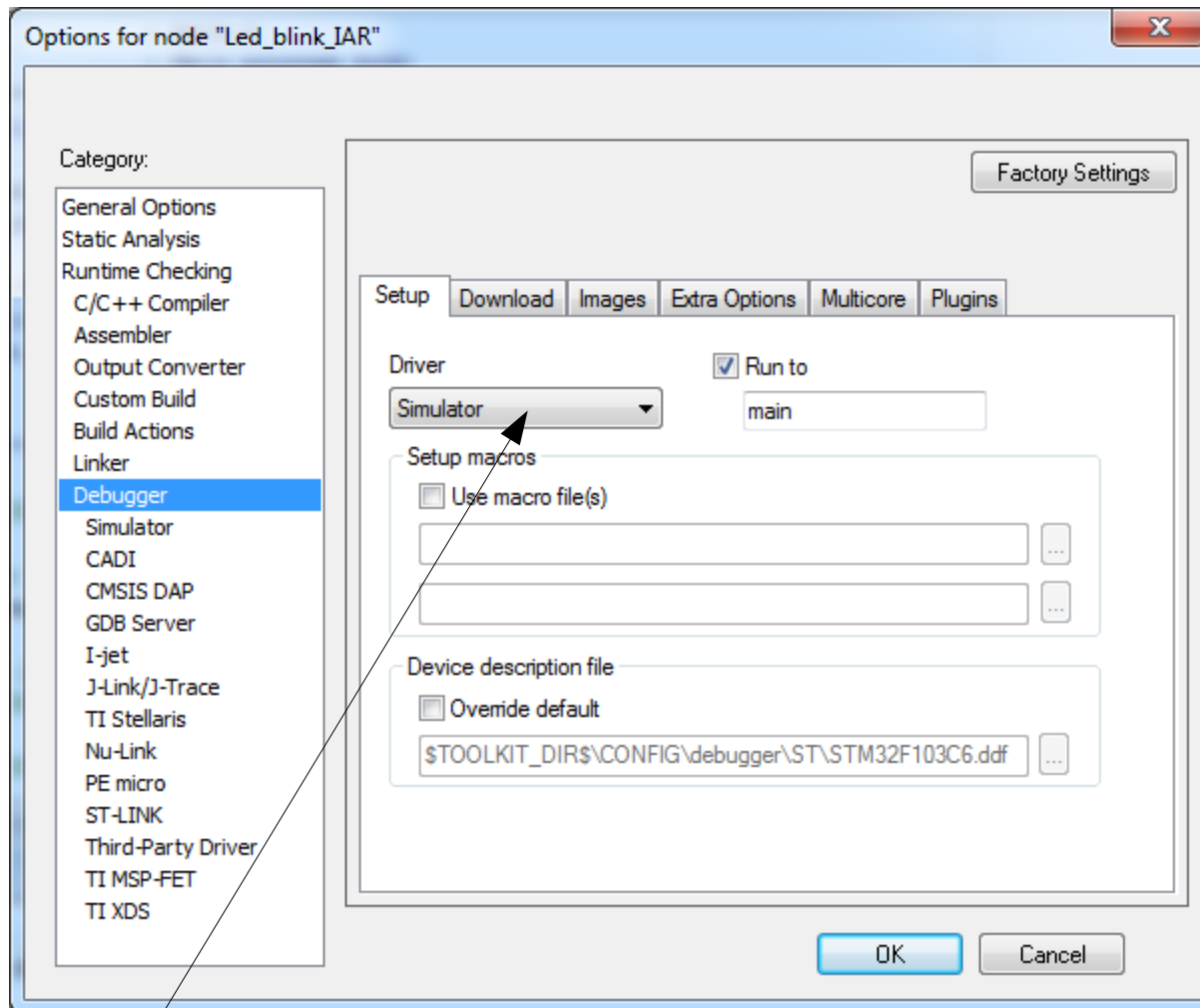


Klik Project/Option

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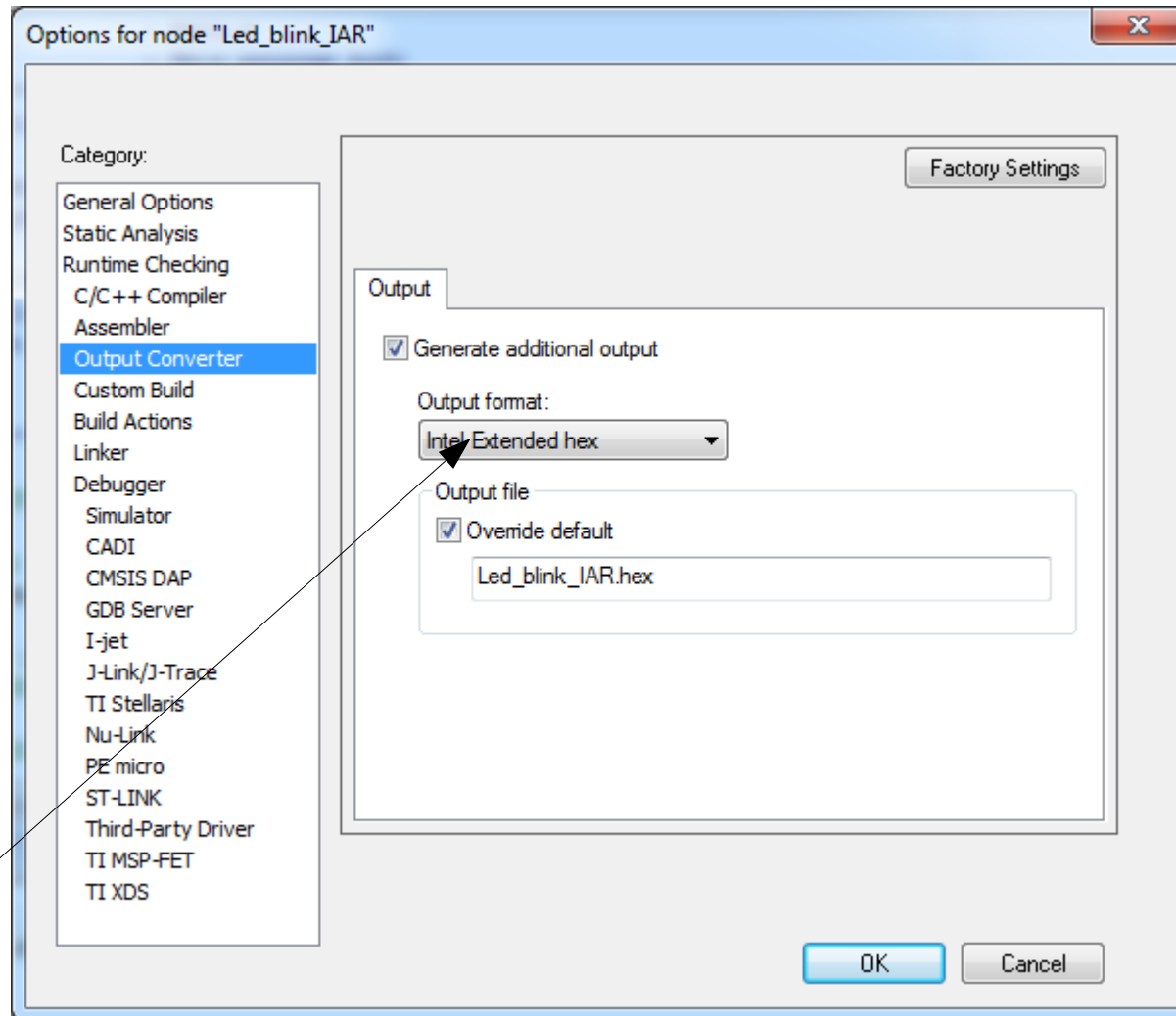
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STM32CubeMX IAR projekat



Za Debugger biramo Simulator

STM32CubeMX IAR projekat

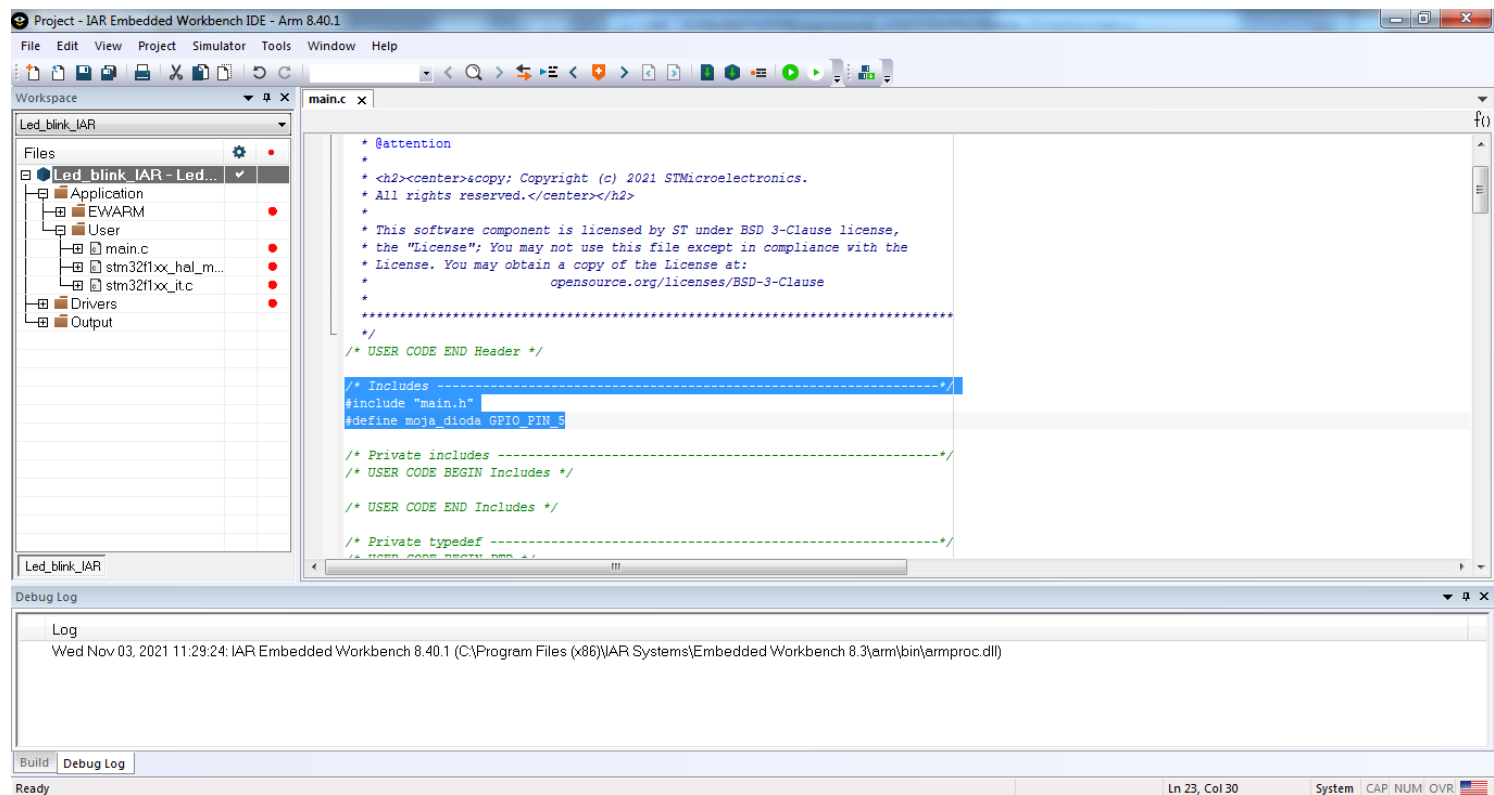


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Proverimo da li je output Intel hex, cekiramo Override default ako nije cekirano

STM32CubeMX IAR projekat

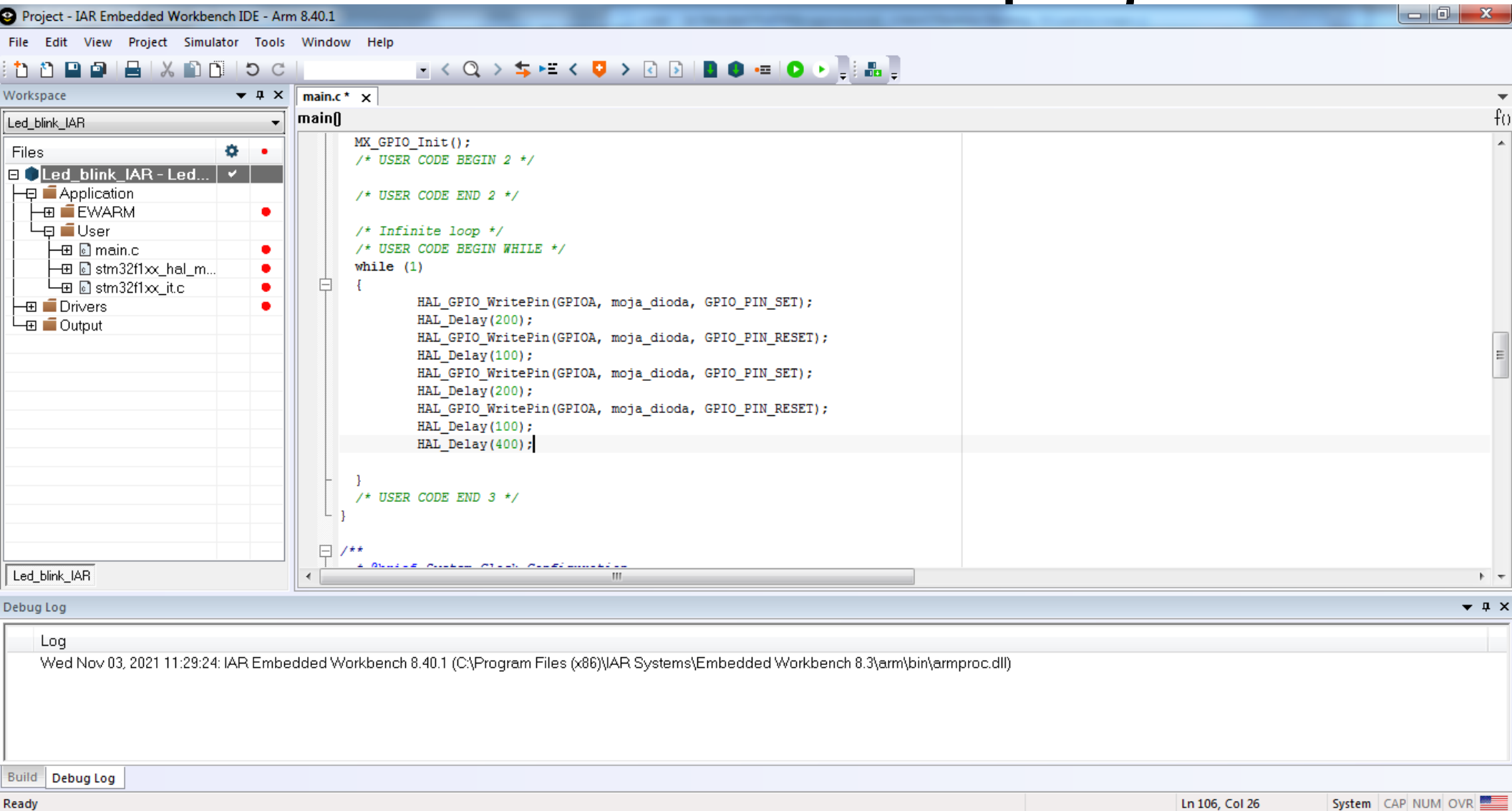
```
/* Includes -----*/  
#include "main.h"  
#define moja_dioda GPIO_PIN_5
```



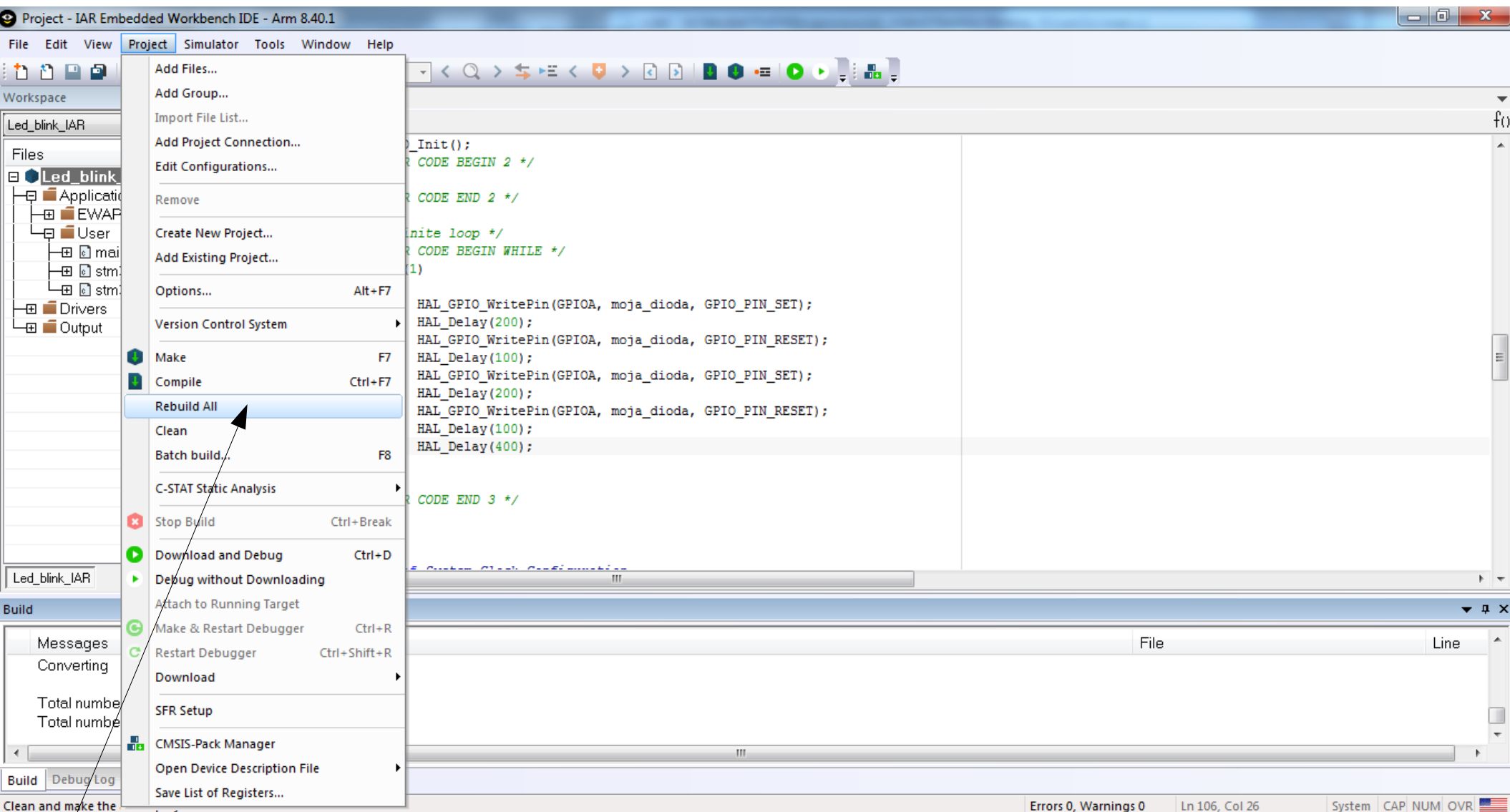
STM32CubeMX IAR projekat

```
while (1)
{
    HAL_GPIO_WritePin(GPIOA, moja_dioda, GPIO_PIN_SET);
    HAL_Delay(200);
    HAL_GPIO_WritePin(GPIOA, moja_dioda, GPIO_PIN_RESET);
    HAL_Delay(100);
    HAL_GPIO_WritePin(GPIOA, moja_dioda, GPIO_PIN_SET);
    HAL_Delay(200);
    HAL_GPIO_WritePin(GPIOA, moja_dioda, GPIO_PIN_RESET);
    HAL_Delay(100);
    HAL_Delay(400)
}
```

STM32CubeMX IAR projekat



STM32CubeMX IAR projekt

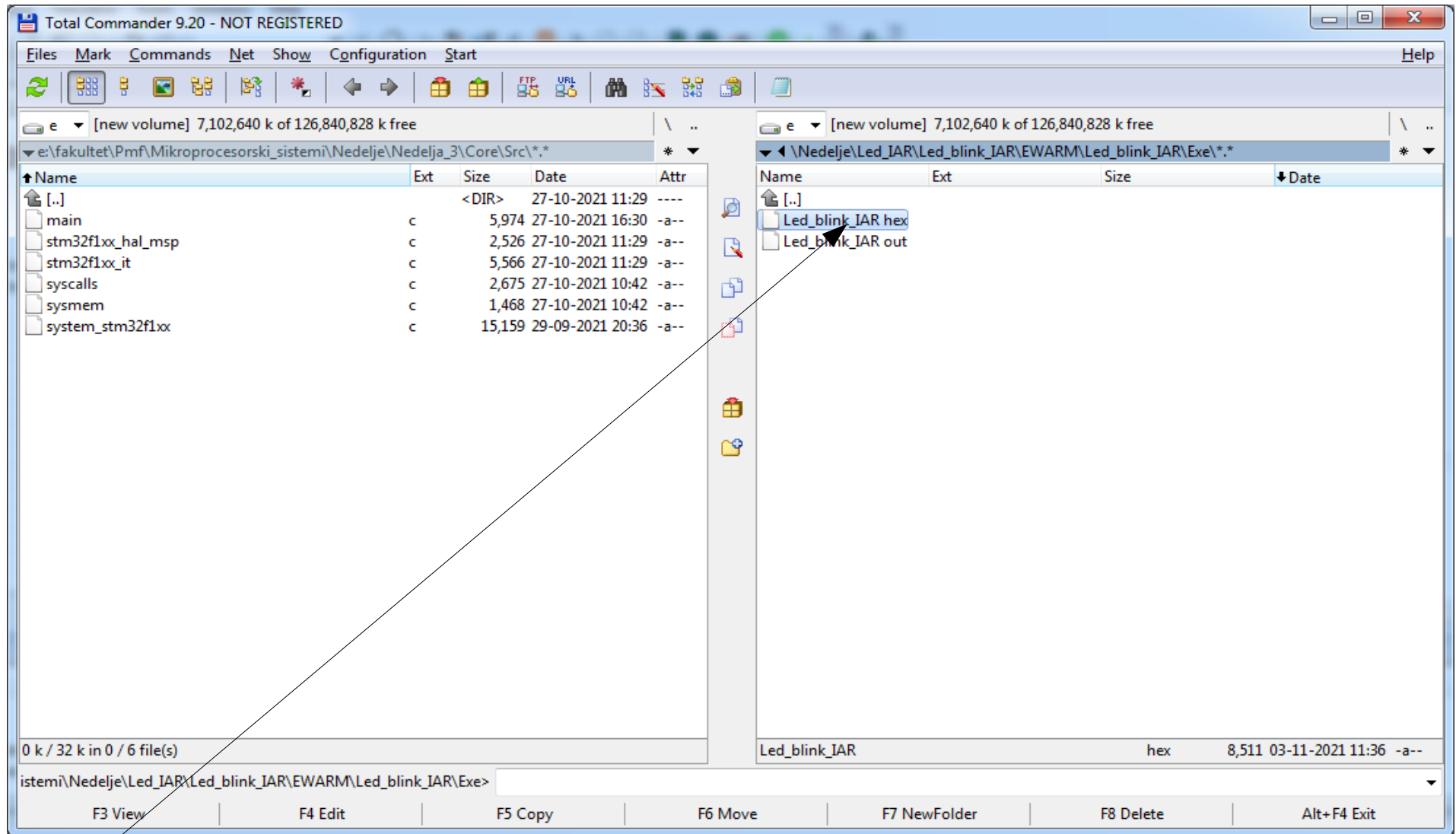


Project. Rebuild All

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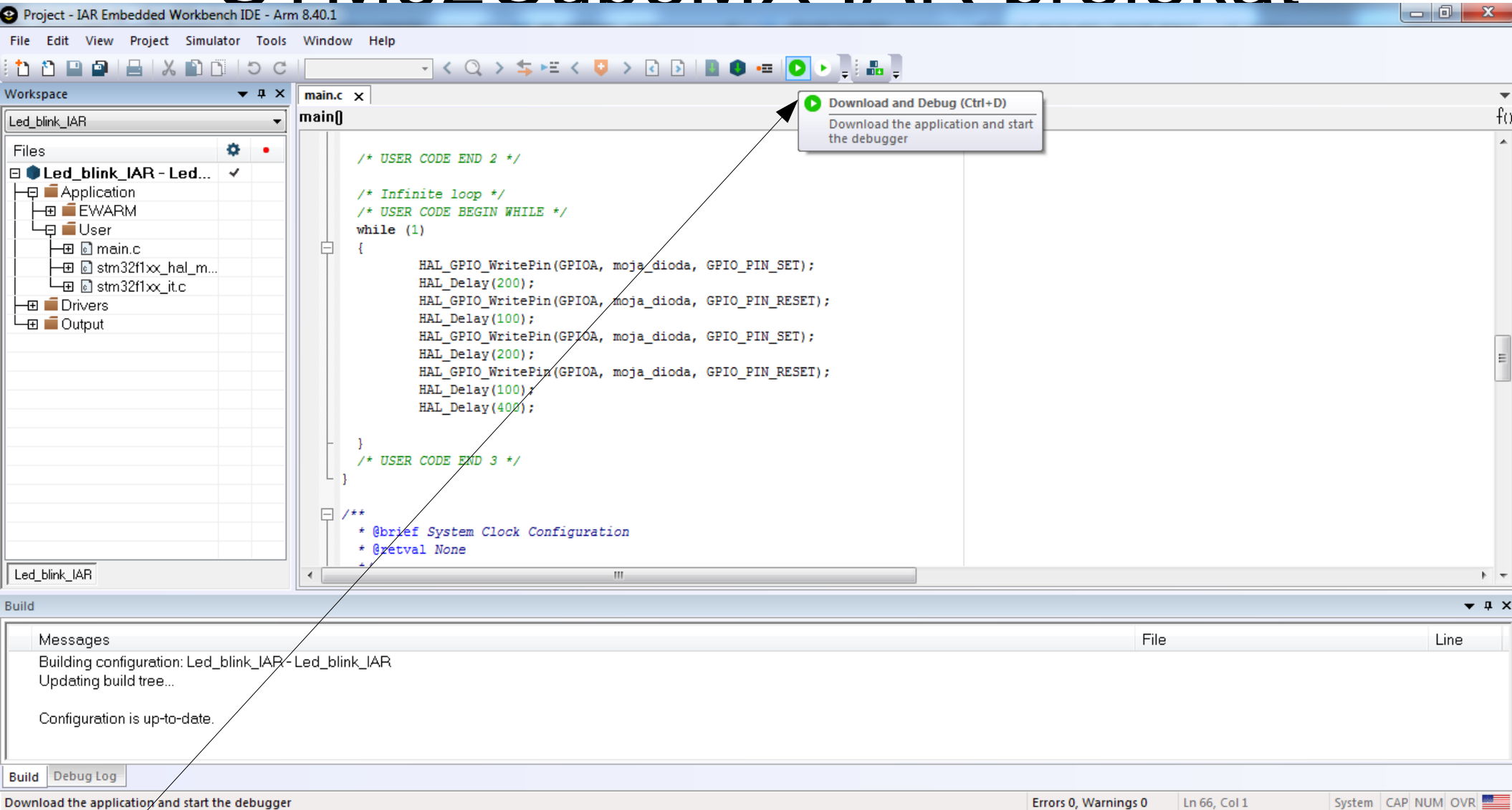
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STM32CubeMX IAR projekat



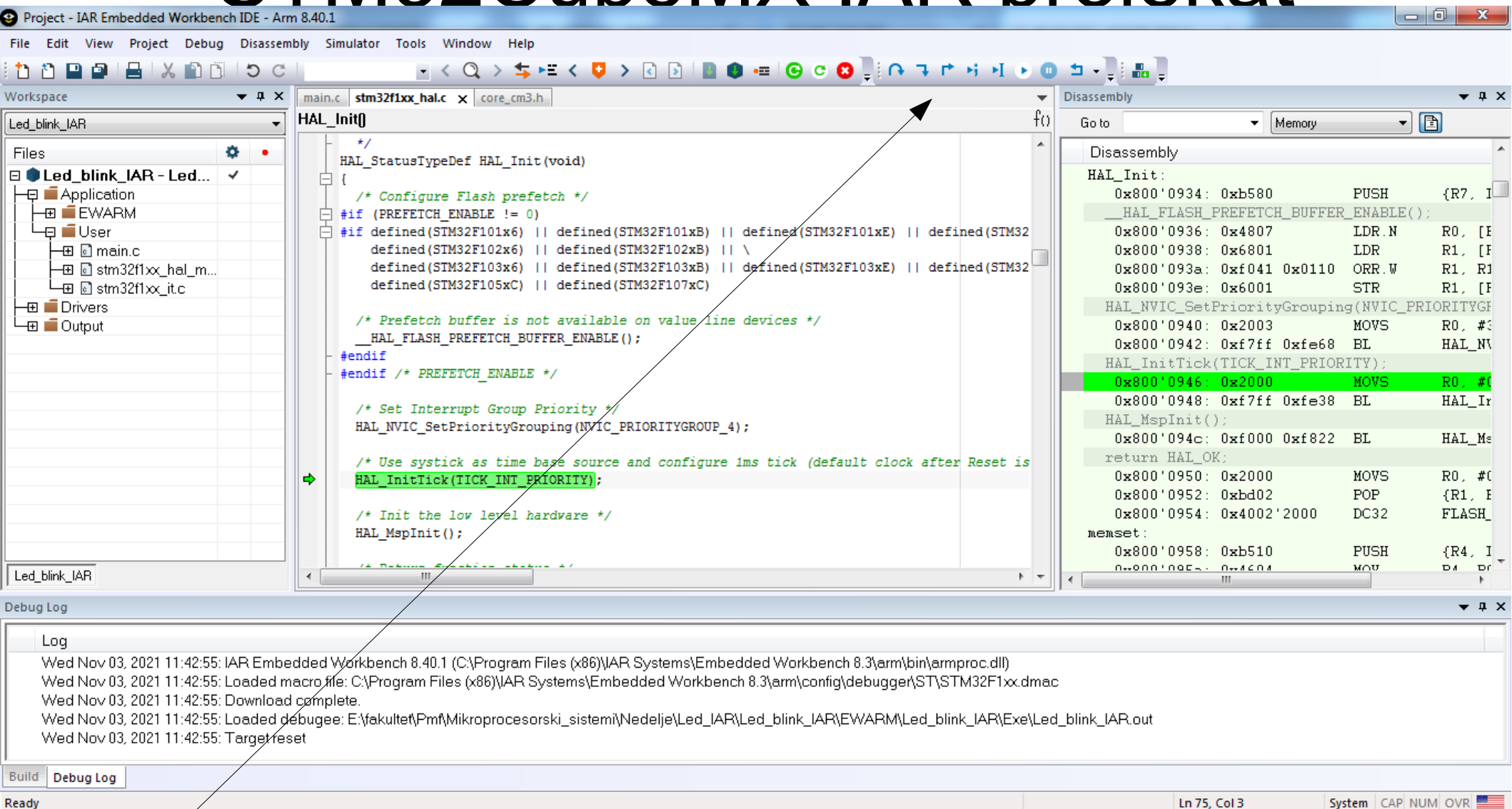
Aleksandar Peulic
U Exe direktorijumu nalazi se generisani hex fajl

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Klik na Download and Debug pokrecemo simulator

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Meni za Debug, F11 za korak po korak na primer

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