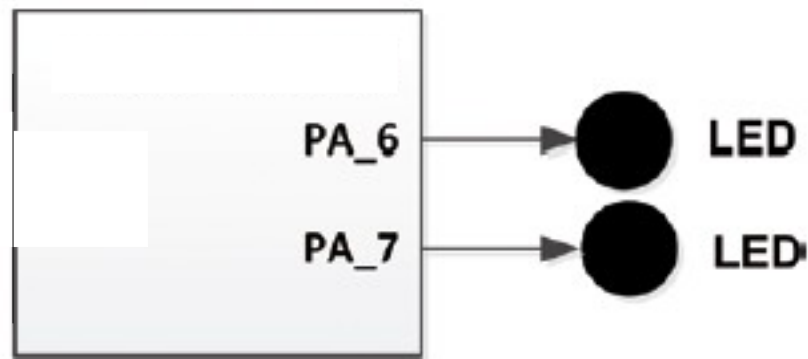


Naizmenicno ukljucivanje led dioda

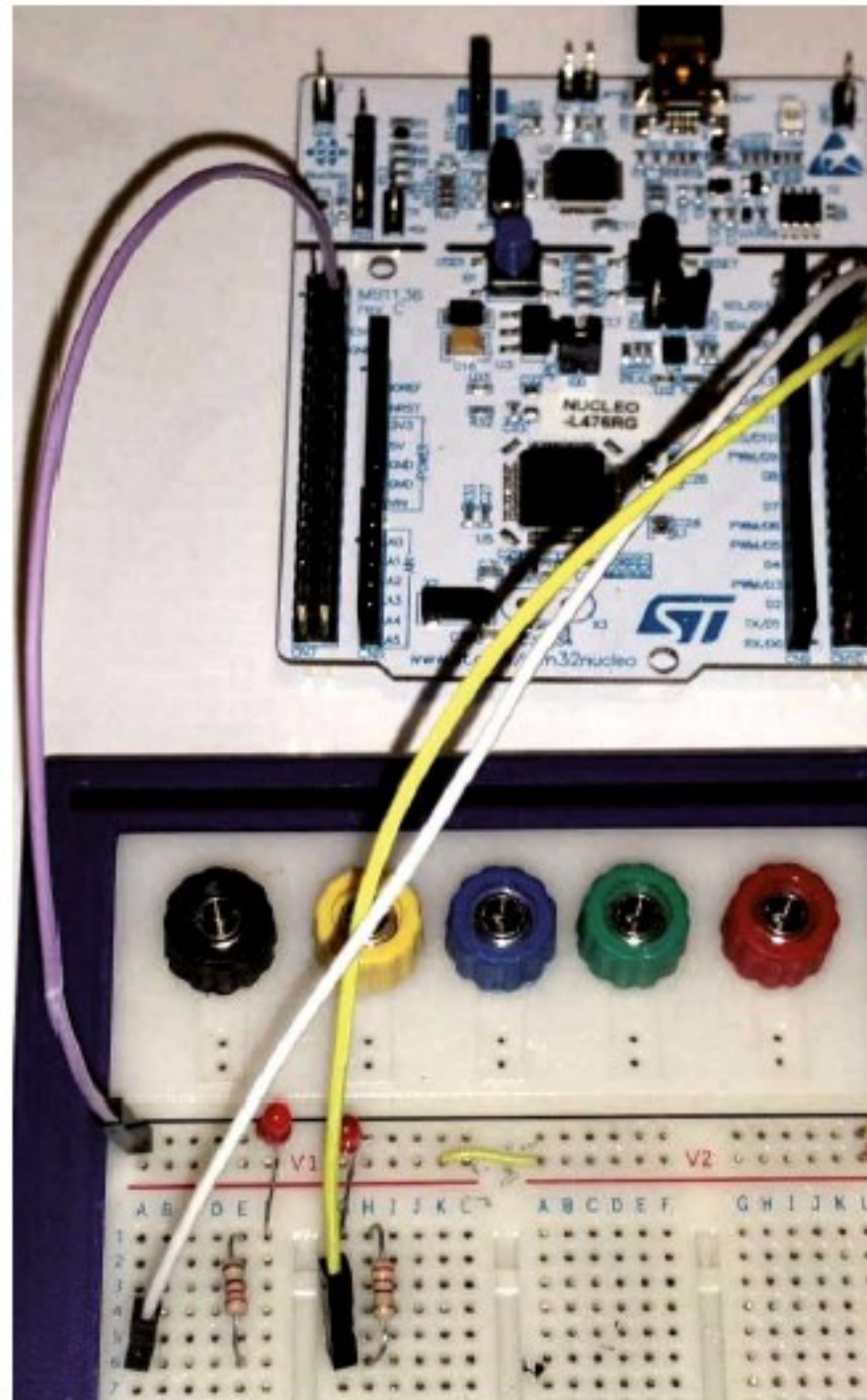
- U ovom projektu dve LED diode su povezane na GPIO portove PA6 i PA7.
- LED diode trepću naizmenično.

Naizmenicno ukljucivanje led dioda



Naizmenicno ukljucivanje led dioda

- Na sledecem slajdu prikazan je projekat izgrađen na proto ploči na kojoj se koriste žice za povezivanje sa konektorom na ploči Nucleo.
- Pin 8 na konektoru CN7 je korišćen za uzemljenje.



STM32 Project

IDE

Target Selection

Select STM32 target

MCU/MPU Selector

Board Selector

Cross Selector

MCU/MPU Filters

★

📁

🔍

🔄

Part Number Search

🔍

STM32F103C6

Core

Series

Line

Package

Other

Price = 1.891

IO = 37

Eeprom = 0 (Bytes)

Features

Block Diagram

Docs & Resources

📄

Datasheet

🛒

Buy

☆

STM32F103C6

STM32 F1

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

MCUs/MPUs List: 2 items

+

Display similar items

📄

Export

*	Part No	Reference	Marketing Status	Unit Price for 10kU (US\$)	Board	Package	Flash	RAM	IO	Freq.
☆	STM32F103C6	STM32F103C6Tx	Active	1.891		LQFP48	32 kBytes	10 kBytes	37	72 MHz
☆	STM32F103C6	STM32F103C6Ux	Active	1.891		UFQFPN48	32 kBytes	10 kBytes	37	72 MHz

?

< Back

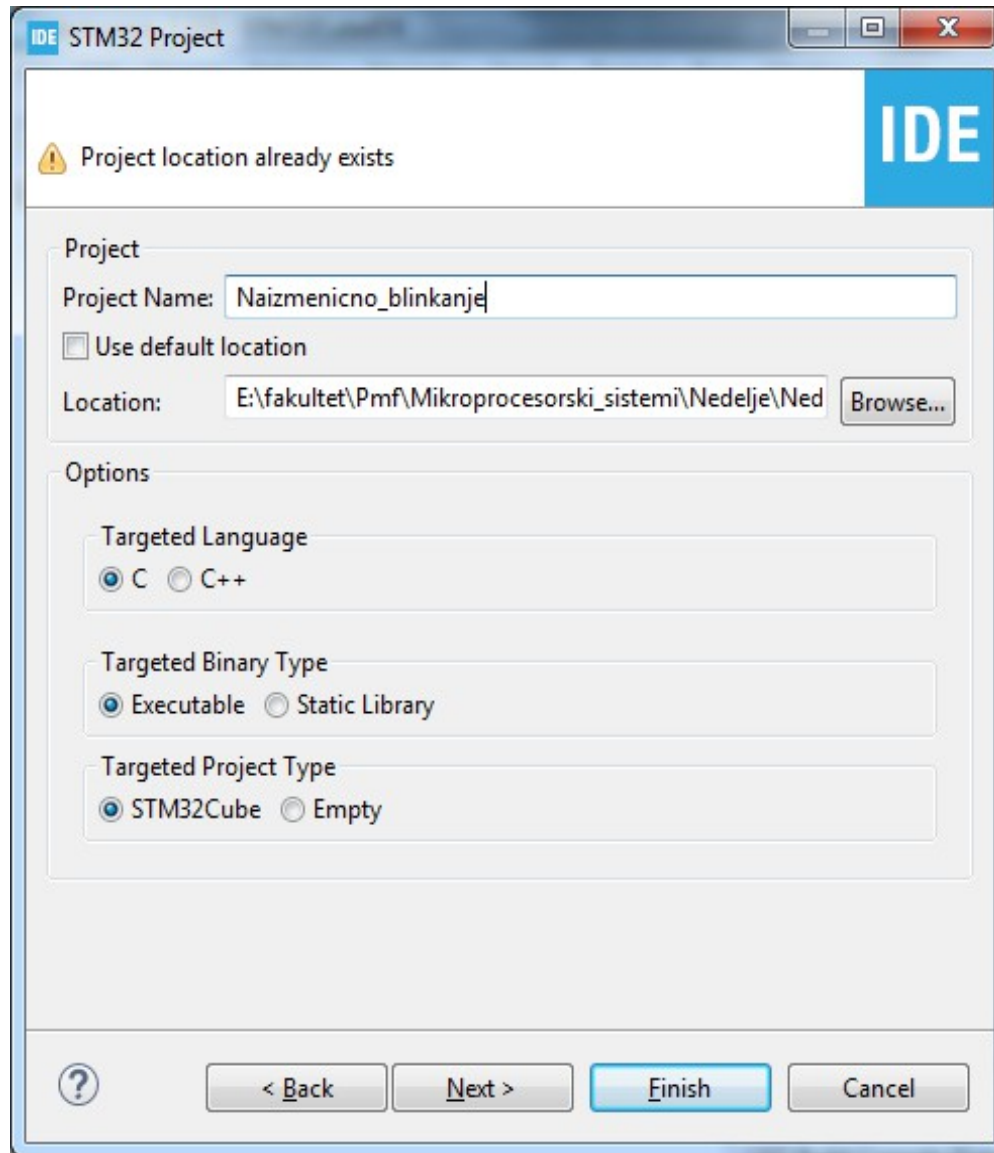
Next >

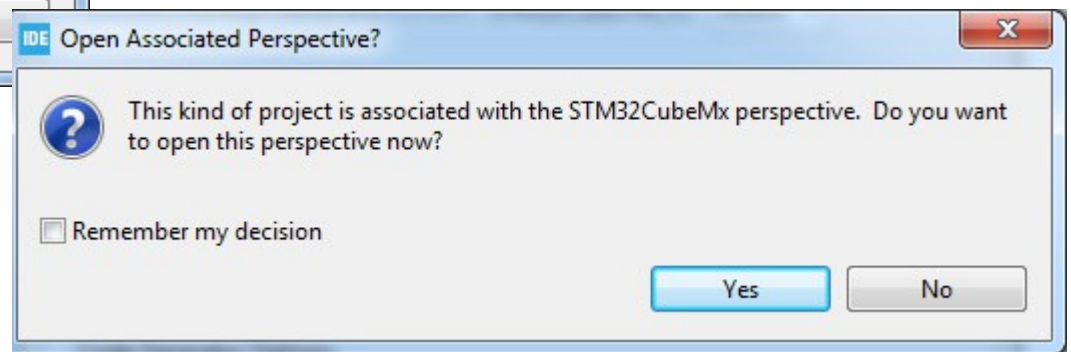
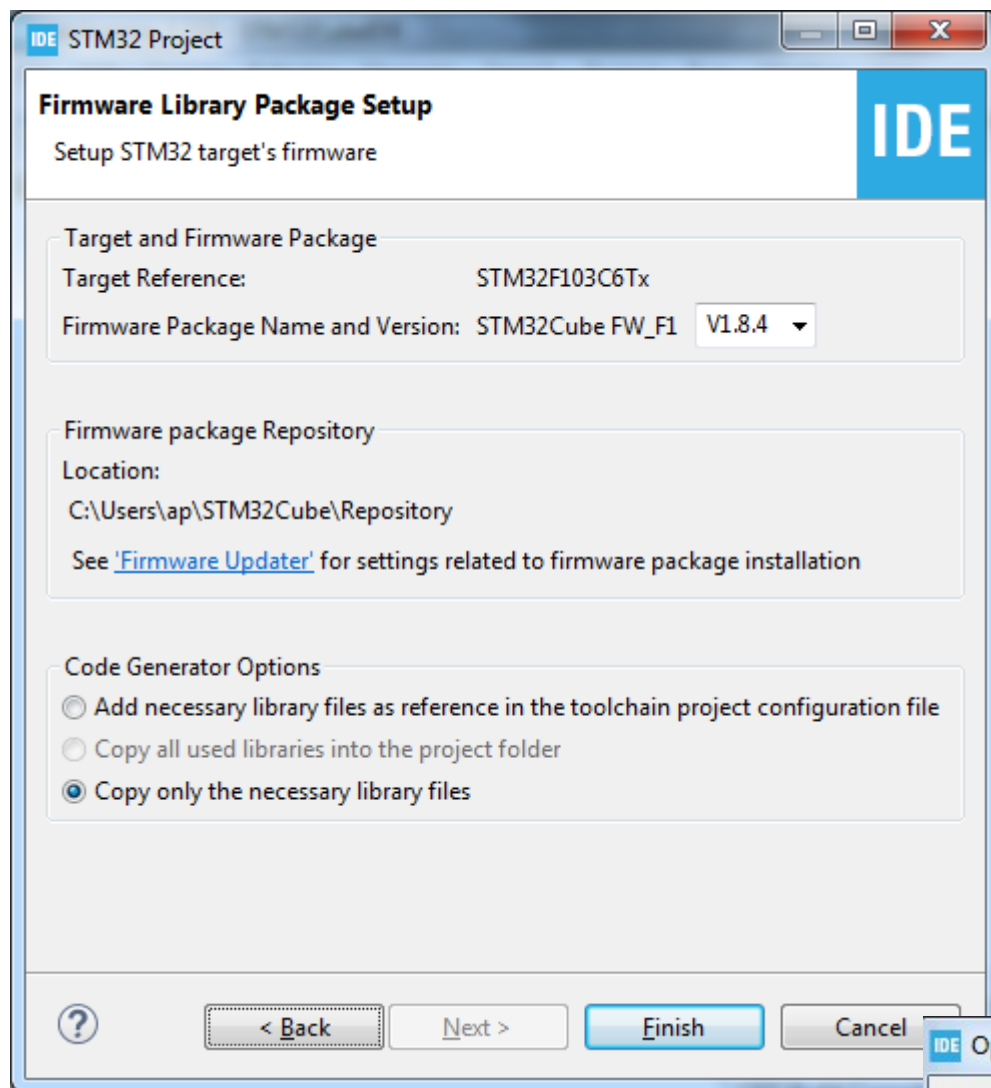
Finish

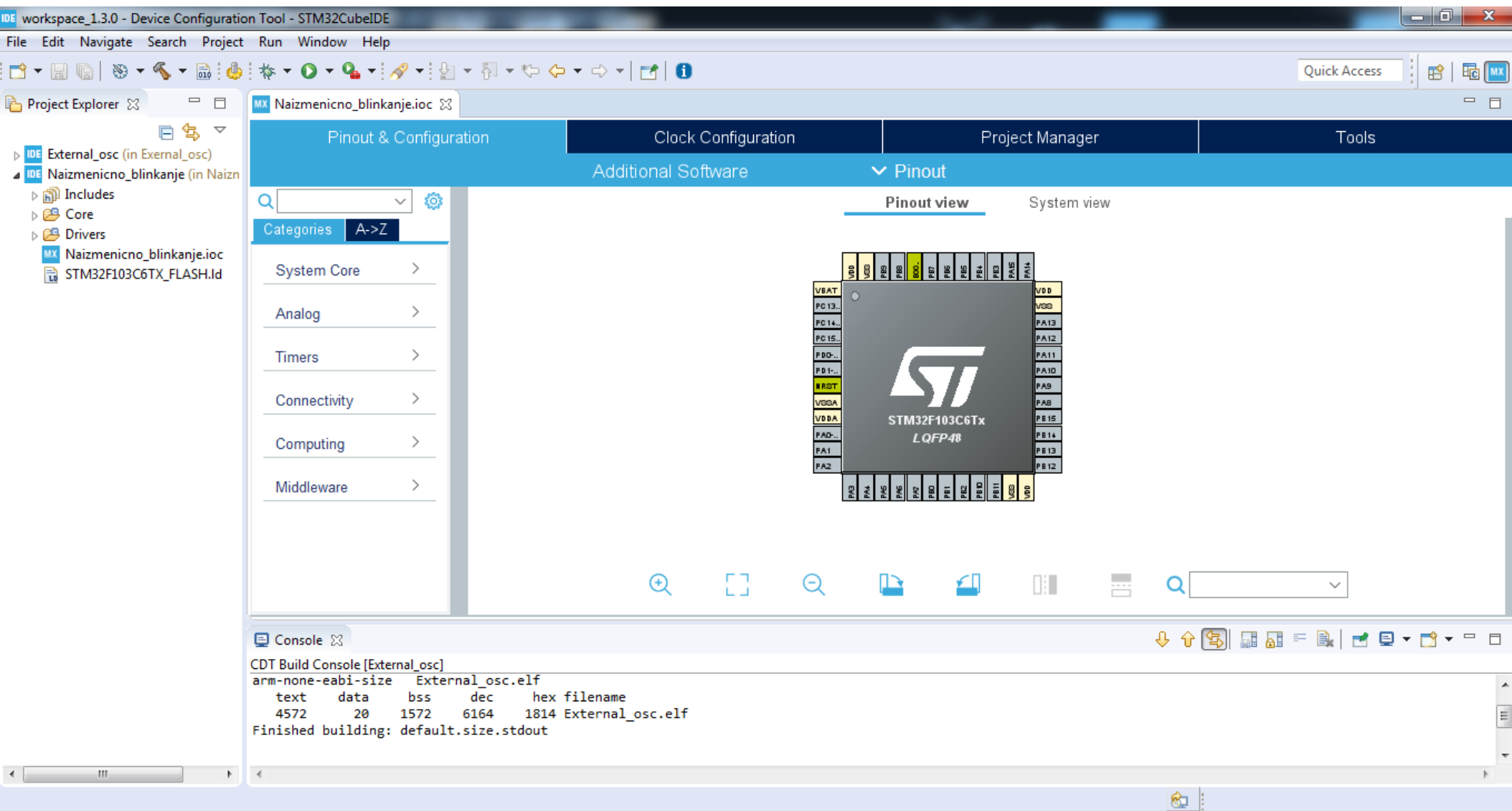
Cancel

Aleksandar Peulic

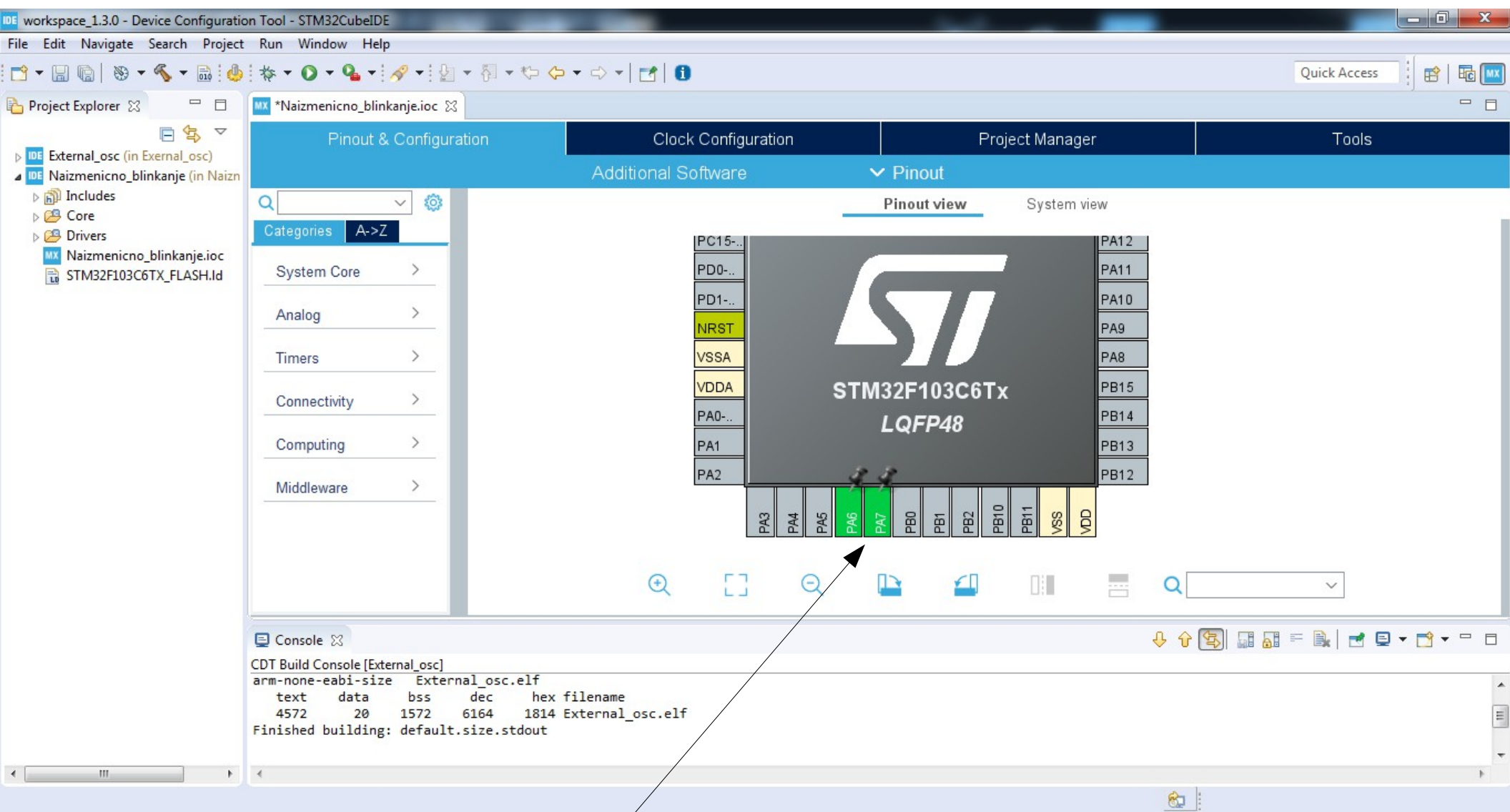
5







Za RCC koristiti interni clock



Konfigurisemo PA6 I PA7 kao output, zatim File, Save, Yes to generate code

Naizmenicno ukljucivanje led dioda

- Otvorimo main.c I dodajemo code:

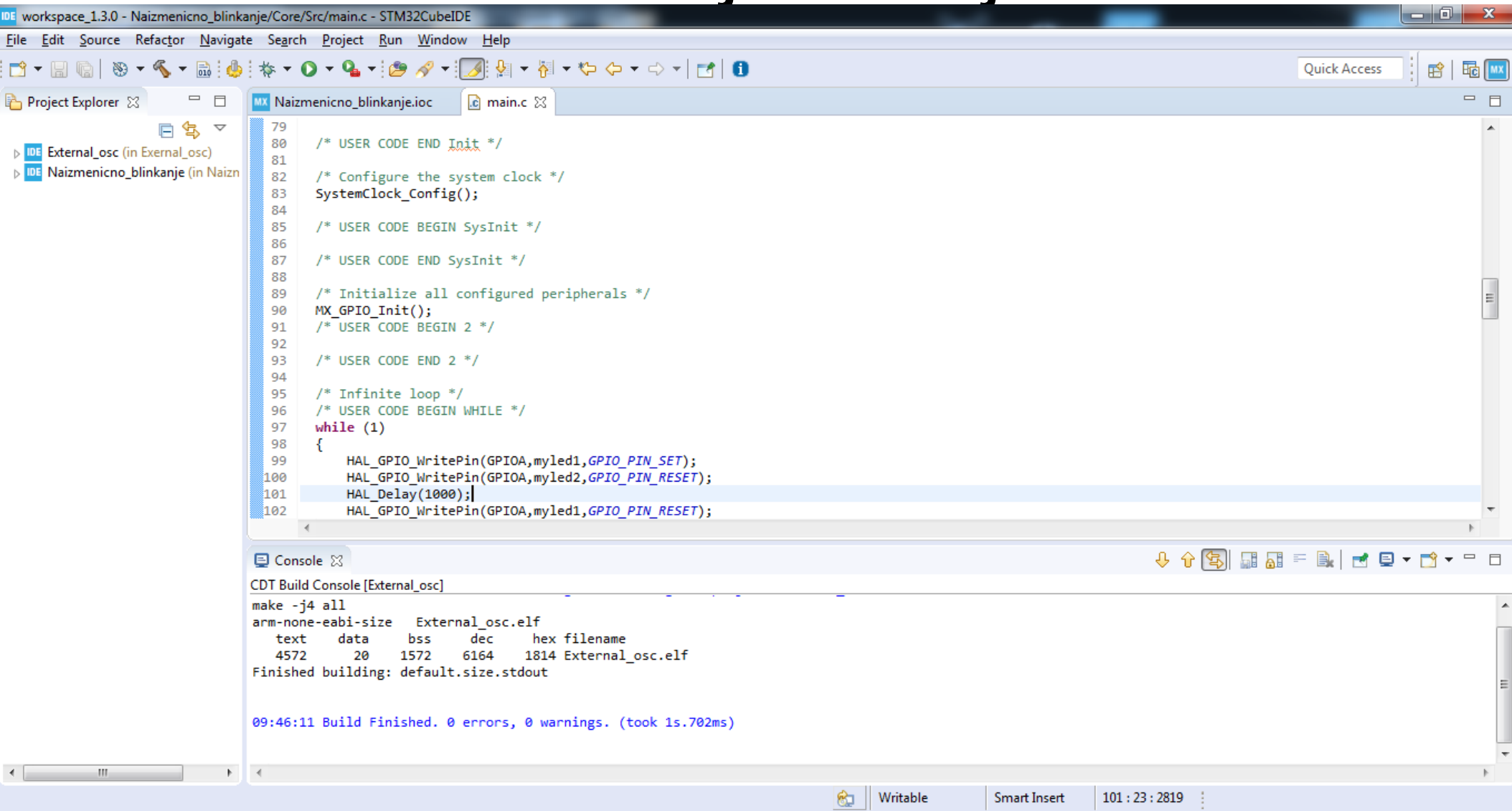
```
/* USER CODE END Header */  
  
/* Includes -----*/  
#include "main.h"  
#define myled1 GPIO_PIN_6  
#define myled2 GPIO_PIN_7
```

Naizmenicno ukljucivanje led dioda

- Otvorimo main.c I dodajemo code:

```
/* USER CODE BEGIN WHILE */
while (1)
{
    HAL_GPIO_WritePin(GPIOA,myled1,GPIO_PIN_SET);
    HAL_GPIO_WritePin(GPIOA,myled2,GPIO_PIN_RESET);
    HAL_Delay(1000);
    HAL_GPIO_WritePin(GPIOA,myled1,GPIO_PIN_RESET);
    HAL_GPIO_WritePin(GPIOA,myled2,GPIO_PIN_SET);
    HAL_Delay(1000);
}
```

Naizmenicno ukljucivanje led dioda



The screenshot displays the STM32CubeIDE interface. The main editor shows a C file named `main.c` with the following code:

```
79
80 /* USER CODE END Init */
81
82 /* Configure the system clock */
83 SystemClock_Config();
84
85 /* USER CODE BEGIN SysInit */
86
87 /* USER CODE END SysInit */
88
89 /* Initialize all configured peripherals */
90 MX_GPIO_Init();
91 /* USER CODE BEGIN 2 */
92
93 /* USER CODE END 2 */
94
95 /* Infinite loop */
96 /* USER CODE BEGIN WHILE */
97 while (1)
98 {
99     HAL_GPIO_WritePin(GPIOA,myled1,GPIO_PIN_SET);
100    HAL_GPIO_WritePin(GPIOA,myled2,GPIO_PIN_RESET);
101    HAL_Delay(1000);
102    HAL_GPIO_WritePin(GPIOA,myled1,GPIO_PIN_RESET);
```

The Project Explorer on the left shows the project structure with folders for `External_osc` and `Naizmenicno_blinkanje`. The Console window at the bottom shows the build output:

```
CDT Build Console [External_osc]
make -j4 all
arm-none-eabi-size External_osc.elf
text  data  bss  dec  hex filename
4572   20  1572  6164  1814 External_osc.elf
Finished building: default.size.stdout

09:46:11 Build Finished. 0 errors, 0 warnings. (took 1s.702ms)
```

The status bar at the bottom indicates the file is writable, smart insert is active, and the cursor is at line 101, column 23, row 2819.