AWaDH
Agriculture and Water
Technology Development Hub

BUZZER INTERFACING WITH DEV BOARD

What will you learn from this module:

In this Experiment you will learn to interface buzzer with nRF Development board.

Requirements:

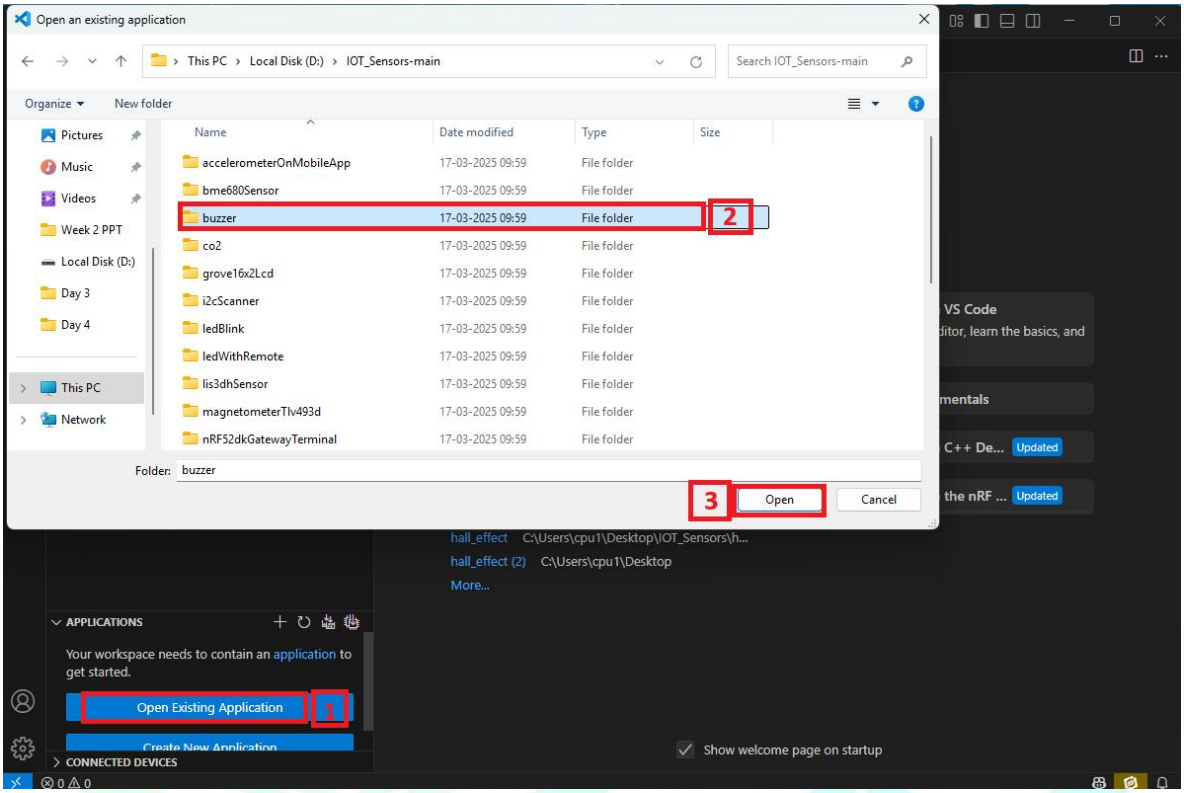
- nRF connect desktop software
- nRF Command line tools
- Visual studio code
- USB cable
- nRF 52832 board
- Buzzer

Prerequisites:

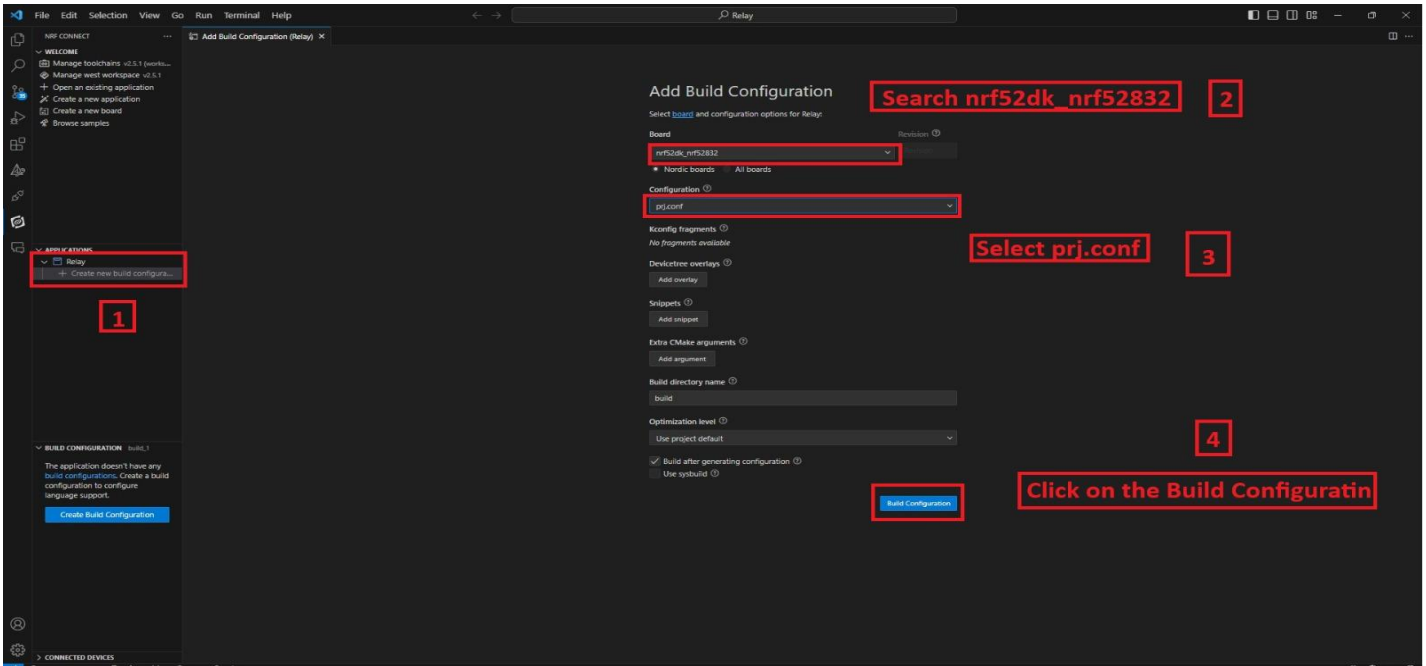
- Basic knowledge of C/C++
- Basic knowledge of communication protocol
- Basic project setup

Setup and Configuration:

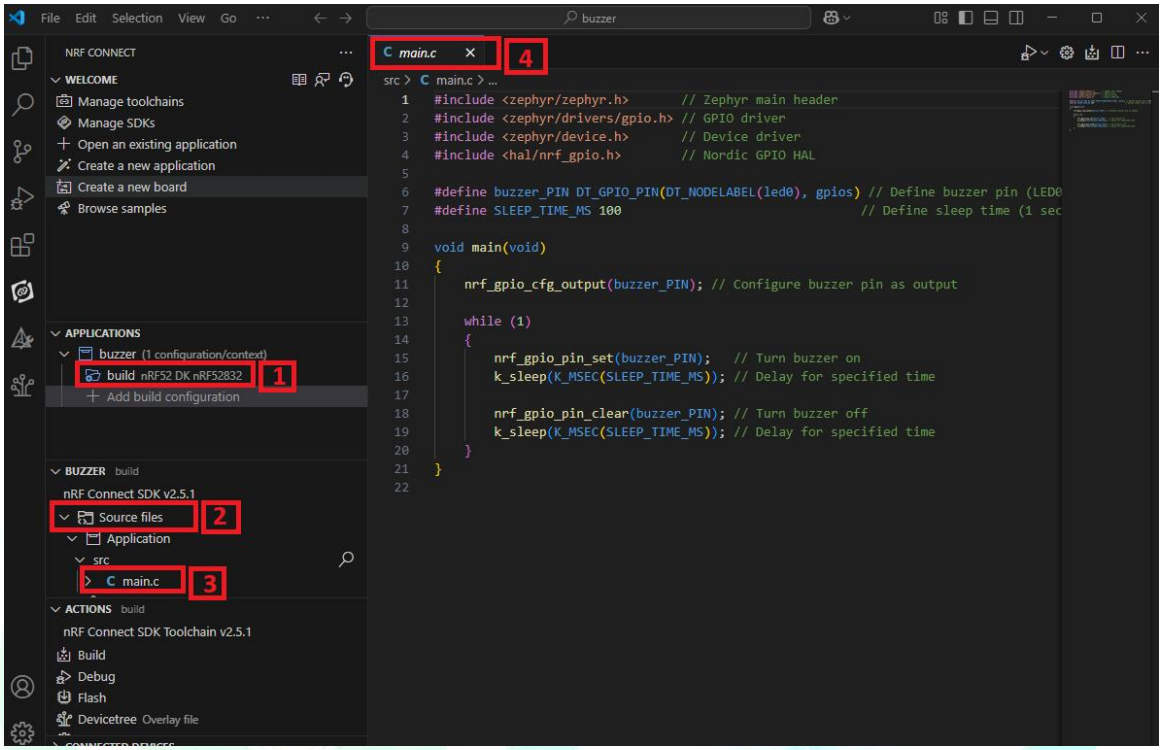
- Open VS Code and click on **Open Existing Application [1]** > click on **Buzzer [2]** > **Open [3]** as shown in the picture below.



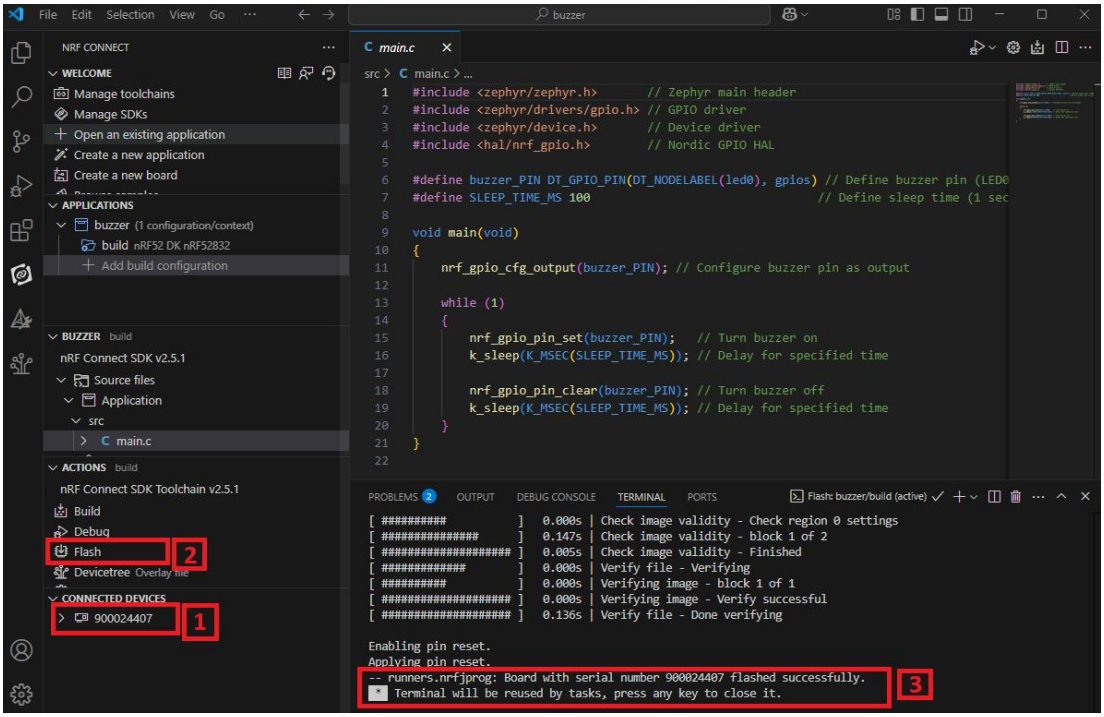
- Click on create new **build configuration [1]** Here you can change the board version, if you are using nRF52832, then select **nrf52dk_nrf52832 [2] or** you can change from there for another version like nRF52833 etc.



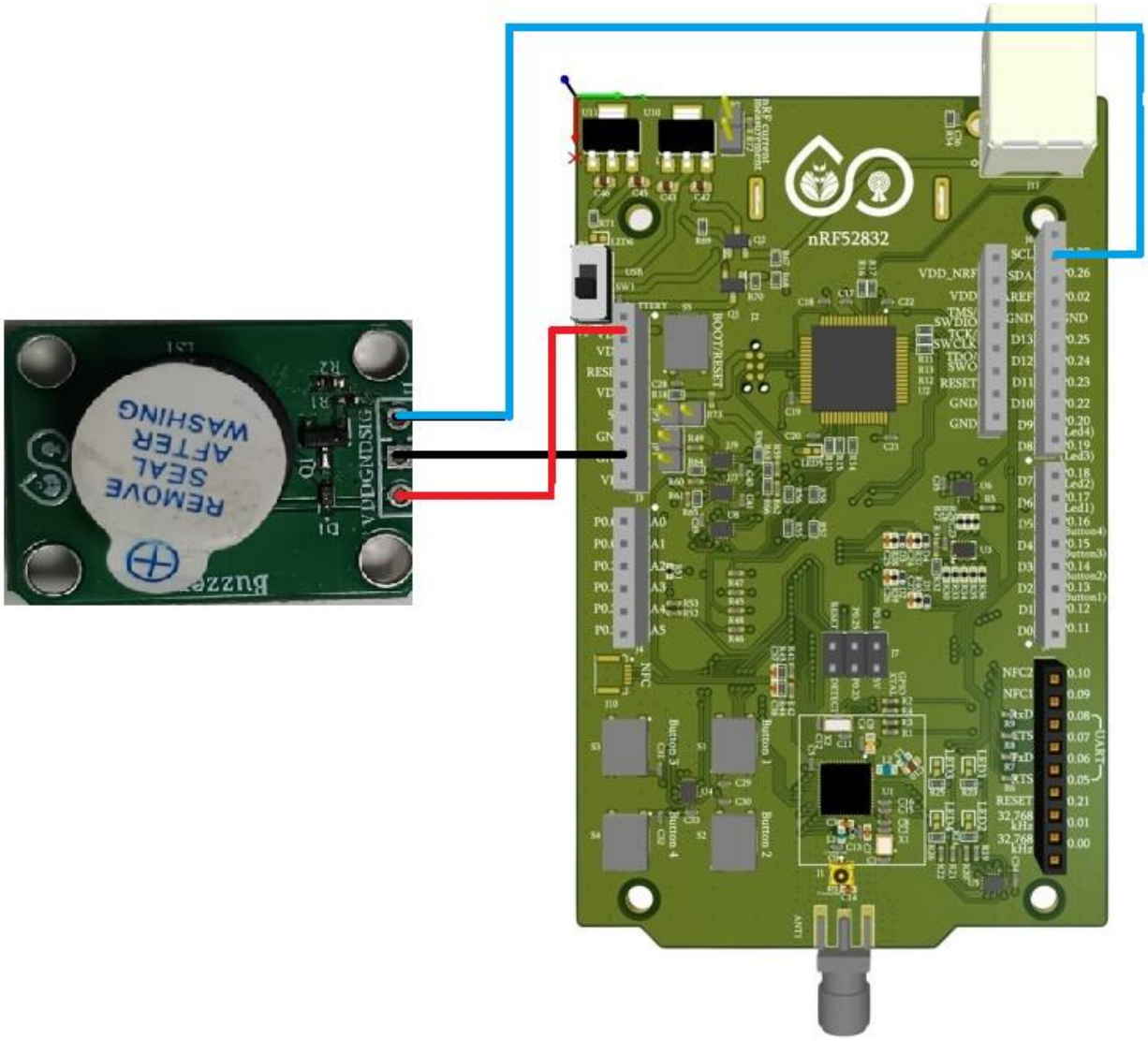
- Go to source file, click **source file [2]** > click on **Application** > click on **src** > click on **main.c [3]**.
- By clicking on **main.c** file and you will see the code on your screen **[4]**.



- Run the build configuration again and check the **connected device [1]**.
- Then **flash [2]** the code in nRF dev kit.
- If **flashed successfully [3]** message is displayed on serial terminal, then flash process is complete.



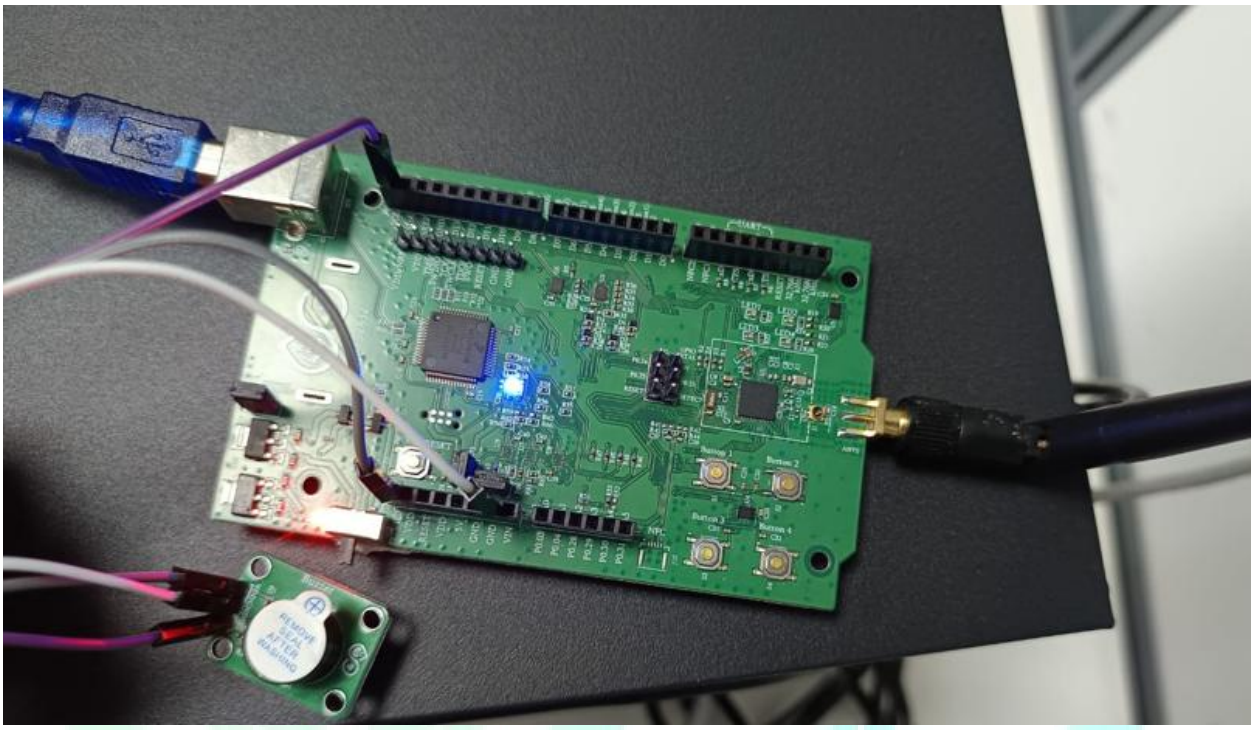
❖ PIN CONFIGURATION :-



BUZZER PIN -> BOARD PIN

VDD ->3V
GND ->GND
SIG -> P0.27(For Buzzer)

❖ OUTPUT :-



You will hear the sound of **buzzer** on the interval of 1 sec (because we used delay of 1sec).