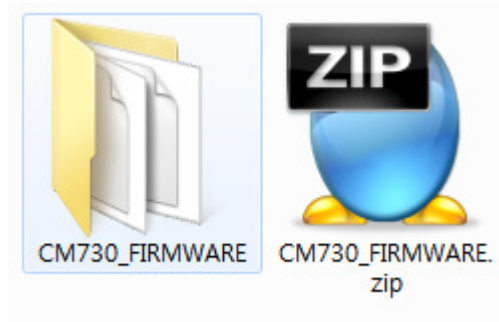
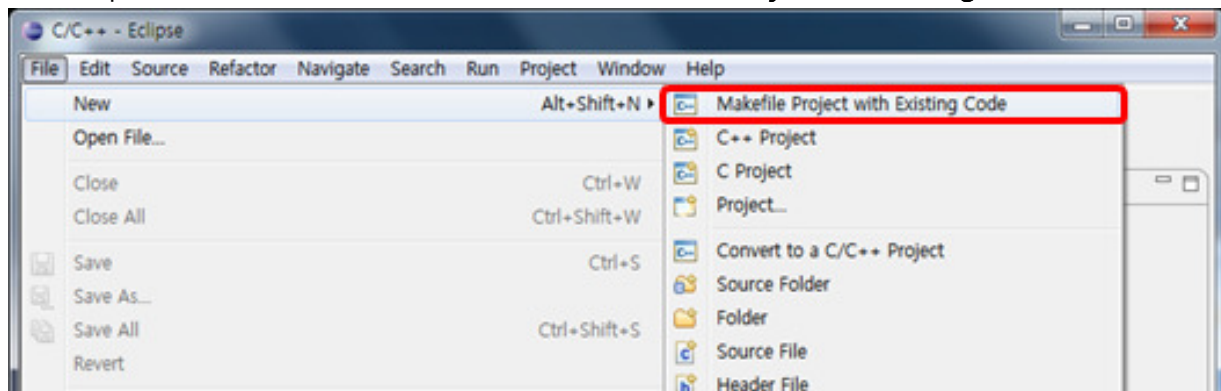


Project Creation

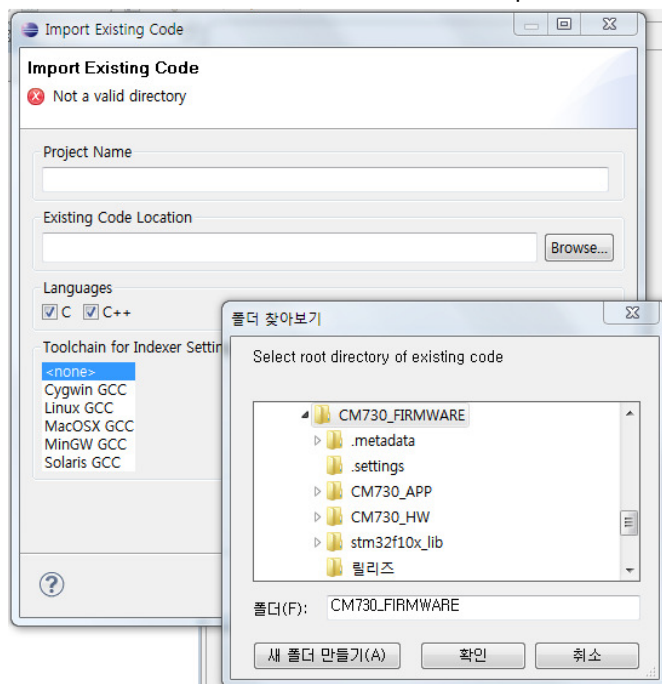
Obtain the source code and create a new project.



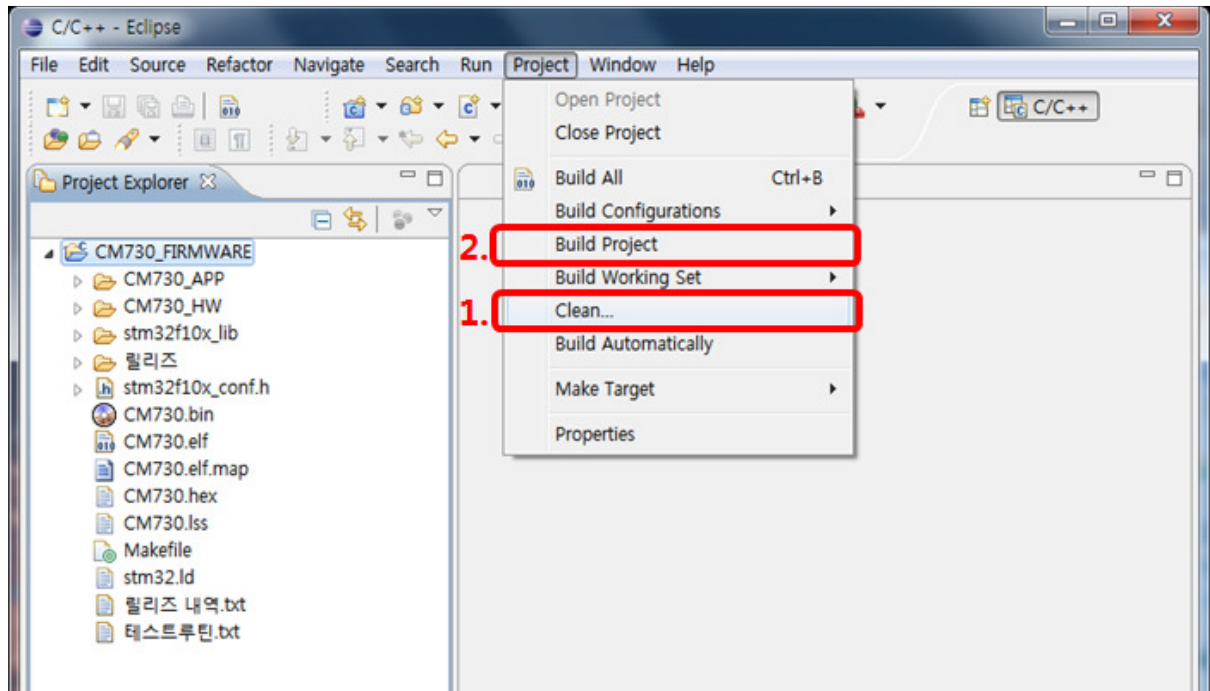
Run Eclipse. Click and select on '**File → New → Makefile Project with Existing Code.**



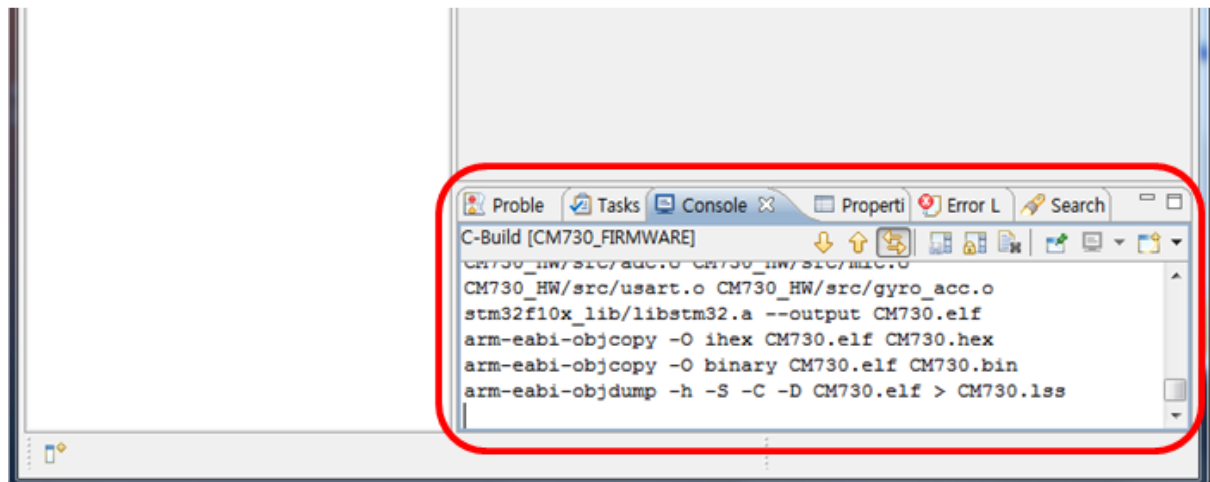
'Click on **Browse..** and select the decompressed folder.



After wards click on **Project → Clean;** then **Project - > Build Project.**



You may verify the previous step with the console window below, if not rerun step.



Code Creation and Compiling

The sample code below is for control LED's.

1. the code can be created from the projects's 'CM730_APP – src – main.c'

```
int main(void)
{
    u8 i = 0;

    System_Configuration();

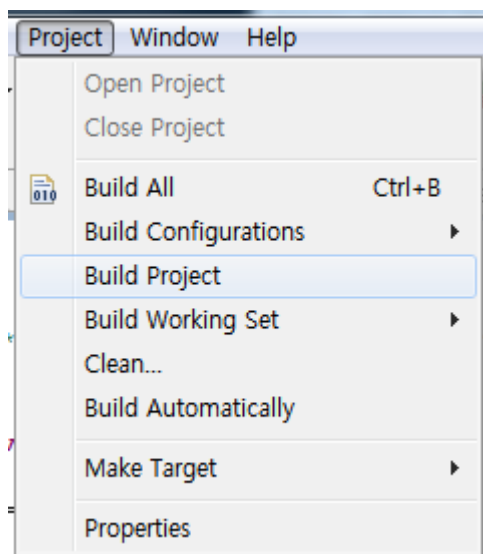
    while(1)
    {
        GPIO_WriteBit(GPIOC, GPIO_Pin_13, i);           // LED_TX
        GPIO_WriteBit(GPIOC, GPIO_Pin_14, !i);           // LED_RX
        GPIO_WriteBit(GPIOC, GPIO_Pin_15, i);           // PLAY
        GPIO_WriteBit(GPIOB, GPIO_Pin_12, !i);           // EDIT
        GPIO_WriteBit(GPIOC, GPIO_Pin_6, i);             // MNG

        i = !i;

        mDelay(150);

    };
}
```

2. Click on **Project** -> **Build Project**.



Downloading the hex file

You may install the newly created firmware with RoboPlus Terminal via bootloader.

For more information refer to firmware installation and loading.

If the firmware has been correctly installed the LED's blink.