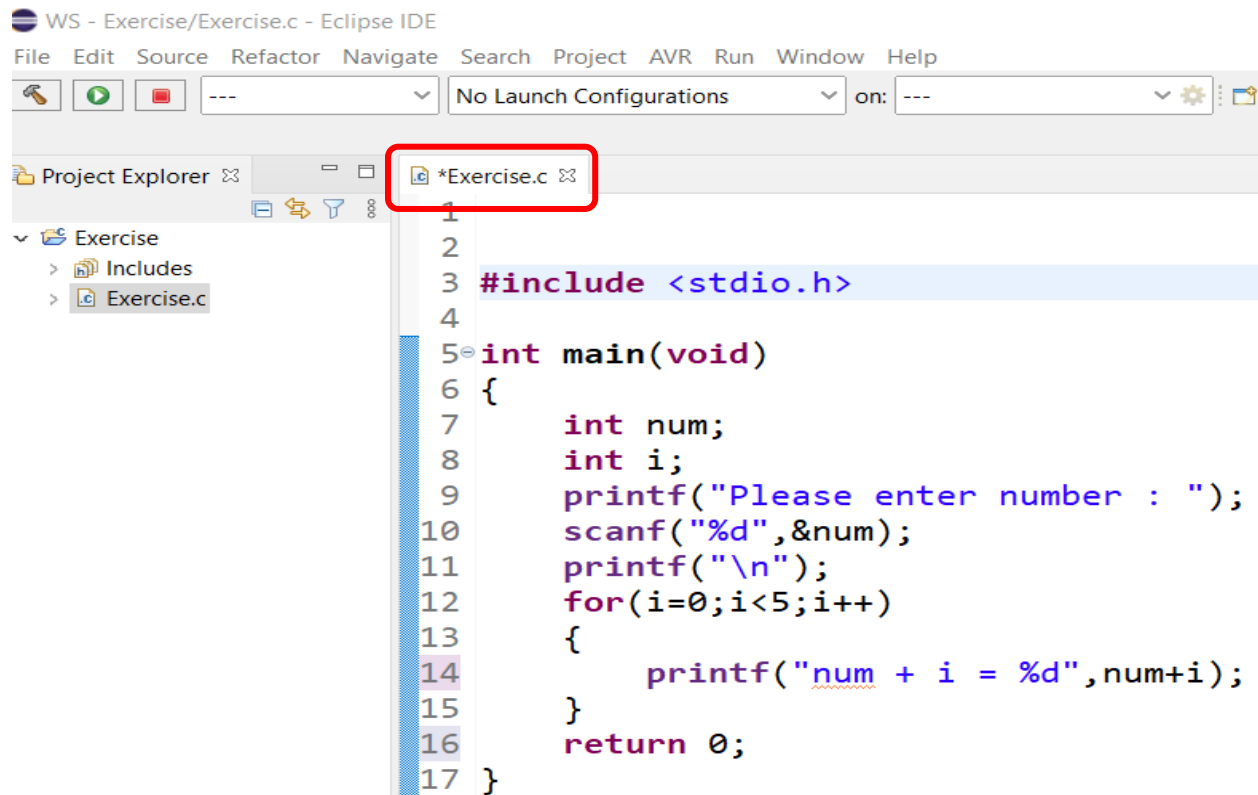# Common Problems While Using Eclipse IDE
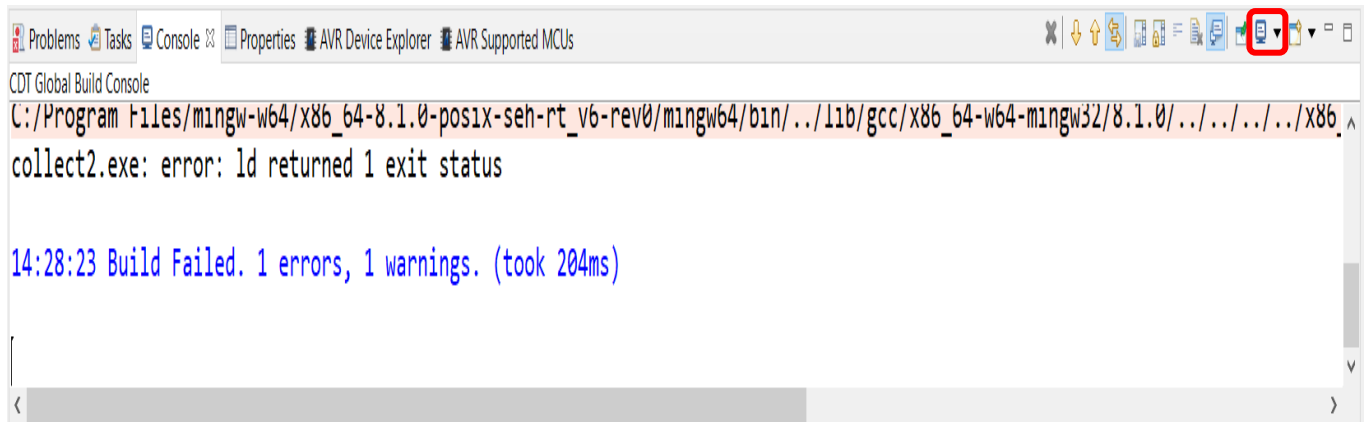
Engineer / Mohamed Tarek

Notes and Problems

1. Make sure you saved your project files before build the code, because if you do not the tool will build last saved version and will not see your new code changes.
   a. Save the file by pressing **CTRL + S**
   b. If the file is not saved you will find ***** beside the file name like the below photo.
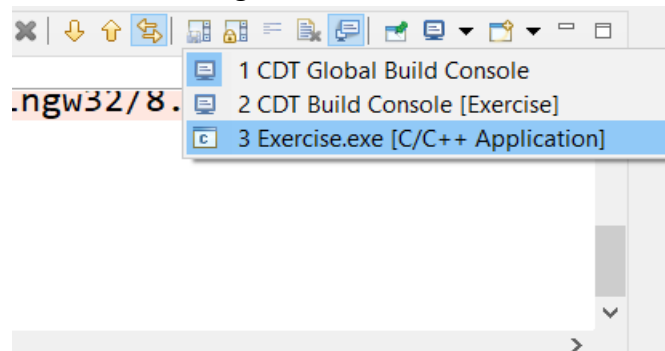

2. Do not add space or any special character in the file or project name. file or project name should use only **capital & small letters, digits and underscore**. Violate this may generate a build error.

3. Files extensions in c language should be **.c or .h in small letters** NOT capital letters (.C or .H) are not correct extensions. C compilers are building files with .c or .h formats only.

4. If you are taking an **input character** from the console through **scanf.** Make sure you left a space before **%c** to prevent **scanf** function from taking new line or enter from the **previous printf or scanf functions.**
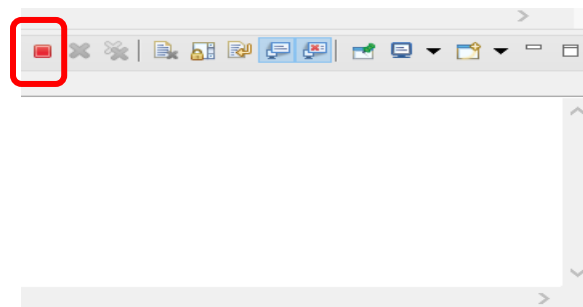   scanf(" %c",&input);

5. Do not Build a project while its executable is running. You will face the below error **"cannot open output file Exercise.exe: Permission denied".**
   a. That's happened because you cannot build & generate a new executable file(.exe) to replace the old executable file while the old executable file is still running!
   b. To fix it you need to stop or kill the running executable.
      i. Click on **arrow** beside the **"Display Selected Console"** in eclipse console.

      ii. Select the running executable.
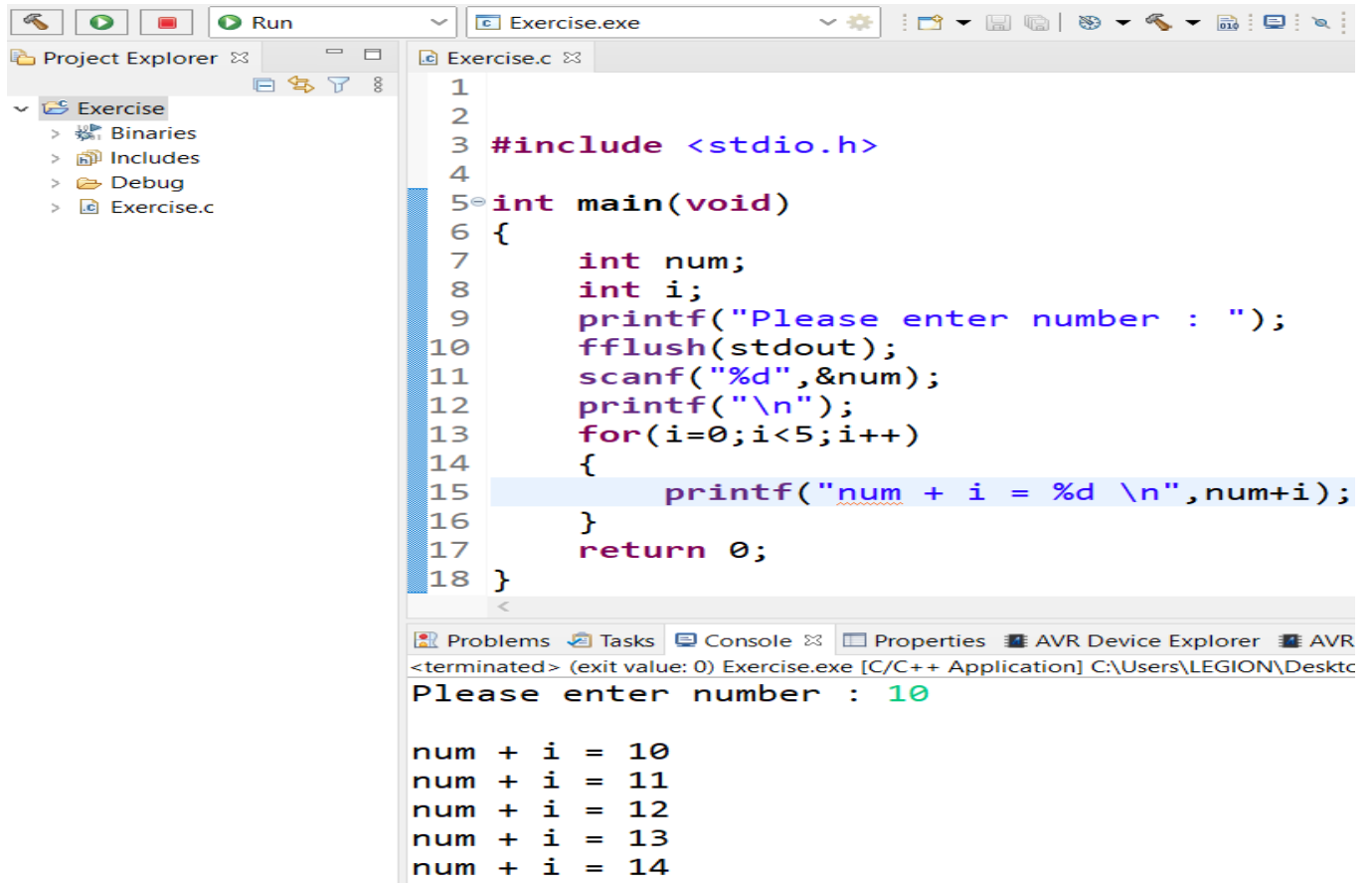

      iii. click on the **Terminate** button.

      iv. Build the project again and the error message will be disappeared.

6. For printing messages before **scanf** in eclipse terminal you need to use one of the below two solutions:
   a. Add this line wherever you need to print the buffered messages.
      fflush(stdout);
   b. Or write these two lines only one time at the beginning of the main function
      setvbuf(stdout, NULL, _IONBF, 0);
      setvbuf(stderr, NULL, _IONBF, 0);

```c
#include <stdio.h>

int main(void)
{
    int num;
    int i;
    printf("Please enter number : ");
    fflush(stdout);
    scanf("%d",&num);
    printf("\n");
    for(i=0;i<5;i++)
    {
        printf("num + i = %d \n",num+i);
    }
    return 0;
}
```

Problems | Tasks | Console ⊠ | Properties | AVR Device Explorer | AVR
<terminated> (exit value: 0) Exercise.exe [C/C++ Application] C:\Users\LEGION\Desktc

```
Please enter number : 10

num + i = 10
num + i = 11
num + i = 12
num + i = 13
num + i = 14
```

Thank You & Good Luck
Engineer / Mohamed Tarek