Steps to write code

1. Open the **Programmer's Notepad** and write your code.
2. Create a **new folder** & save your code in that folder with extension **".c" (main.c)**
3. Now open the **make file** and edit it as mentioned bellow:
4. Make file→ main filename (give your C file name here **without extension**) **(main)**
5. Make file→ enable editing make file→ then in your make file edit the following things:

   F_CPU = **16000000** (change it as per your crystal frequency)
6. Make file→ MCU type→ ATmega→ (chose your UC) **(ATmega8535)**
7. Make file→ Debug format→ **AVR-ext-COFF**
8. Make file→ Programmer→ select any of the available programmer type
9. Make file→ port→ select the port where you have connected your programmer
10. **Save** the make file **in your folder without changing its name. (Makefile)**
11. Now open the programmer's notepad.
12. Tools→ make all → To compile your code and to generate hex file

For another Code

- Copy the previous folder (contains C code).
- Paste it in same place
- Rename the folder with a different name.
- Open the C file using WinAVR programmers notepad.
- Do necessary changes in the C file
- Tools→make clean
- Tools→make all

Important Notes

- “Makefile” should be created only once.
- Multiple “makefile” should not be opened.
- Multiple C files should not be opened in a single IDE
- Name of your C file should be “main.c”
- Name of your make file should be “makefile” without extension
- A folder must should contain a C file and a make file
- A folder should not contain multiple C file or makefile
- If you are using any header file other than <avr/io.h> it should be present inside that folder and written as

  ex:- #include ”delay.h”