**atmel studio(6.0 version) steps:**

1. open atmel studio(6.0 version)
2. click new project, then name your file it shows under the pop up box
3. then correctly select device **2560 (Atmega 2560),** click& ok
4. then one empty workspace is shows
5. write your codes in the workspace
6. then in the top menu bar select **build** & then build your your code
7. when it shows error msg like(lcd.h no directory)
8. go to google download lcd.h for firebird 5 robot
9. then copy the downloaded file & paste to where you stored the new code
10. again rebuild the code using above build steps
11. the output shows 1 build successed......

**AVR DUDE 2560 steps:**

1. download avr dude 2560 file in google
2. the downloaded file is zip type then extraxt it
3. after extracting open the file
4. then launch the **cmd prompt** in the same file above **address bar**
5. in the cmd prompt type **stkrun** and copy or drag the hex file (Ex: stkrun c/users/san/documents/atmel studio/file name../debug/file name.hex)
6. the hex file is located where you saved that code file (Ex: c/users/san/documents/atmel studio/file name../debug/file name.hex)
7. then enter it
8. when upload your code into firebird 5 robot turn on the bot otherwise the code can't upload in the bot
9. finally enjoy your ride sit on your bot (just for joke )