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**Device Driver for EEPROM interfaced for Intel Galileo Generation 1 Board**

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For Blocking I/O: Task 1

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1. To create the kernel object file and application file "make" the file with the make file provided.

Preferably "make clean" before running the make command.

2. Load the kernel object file and the application file into the galileo board.

3. Insert the module and then once initialized run the application file.

4. A menu will be displayed such that the tasks can be performed.

5. Press the desired number corresponding to the task.

6. Once you wish to exit press 8 and the program will come out of the loop.

7. Remove the driver by removing the kernel object file.

(Note: the FLASHSETP ioctl call is common for both the read and write and hence will have to be set before either reading or writing)

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For Non- Blocking I/O: Task 2

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1. Step 1-5 remain the same as stated above

(Note: The read command has been polled so it doesn't have to be given multiple times)

2. To exit press 8 and remove the driver by removing the kernel object file.

In both the cases the data generated is random.

The Makefile has the path of my SDK so it will need changes to run on your machine.