ECGR 4101/5101 - Lecture 10 Embedd app of the day Hallmark Card - Music player Cord Chapter 4- Software 1) IDE 2) Debragging
3) Simple use of tools Integrated Development environment Many tools in one package *Compiler * Text Editor *Linker * Project crea * "Project creator" *Linker + De bragger + Down loader

ECGR 4101/5101 - Learne 10 What do you need to know about (2) Your embedded System? (Hardware) * which microcondroller are you tising? * Justruction -> Compiler, Debugger * Architecture -> Compiler, Debugger A Memory > Linker, Down loader Compiler, Debugger

A peripherals - all of above * Libraries Tools/existing code * Definition/Mapping of hardware

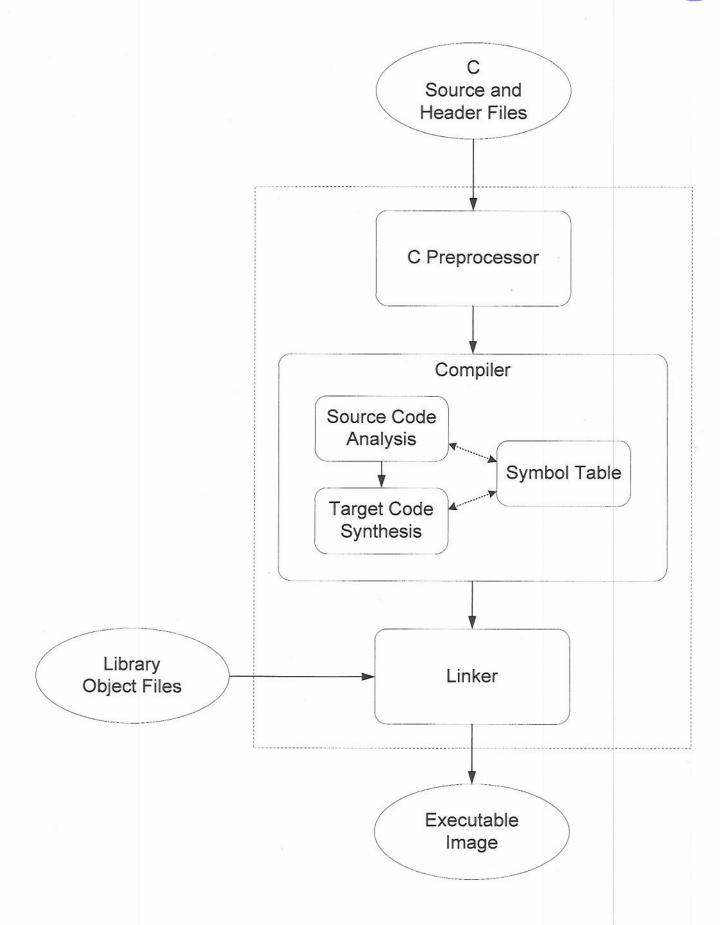
I/o devices to ports (.N)

H8 debugger Penesus

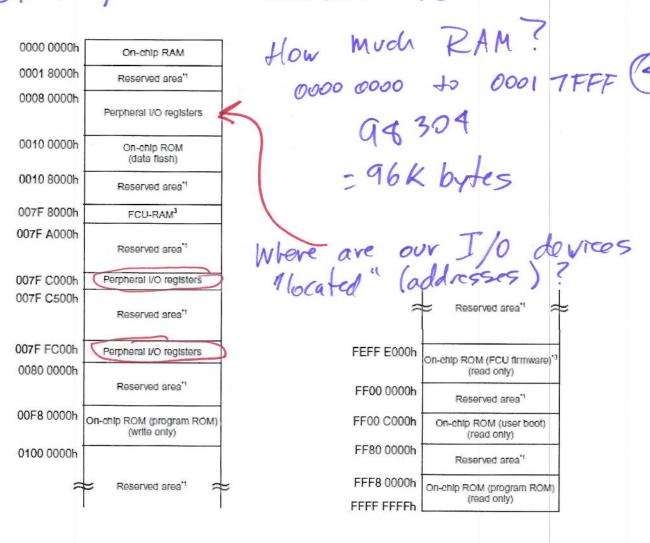
EX62N

Code Written

By Penesus



ECGR4101/9101 - Lecture 10



```
#define PORTO (*(volatile struct st portO
                                          evenaccess *)0x8C000)
#define PORT1 (*(volatile struct st port1
                                          evenaccess *)0x8C001)
                                          __evenaccess *)0x8C002)
#define PORT2 (*(volatile struct st port2
#define PORT3 (*(volatile struct st port3
                                          evenaccess *)0x8C003)
#define PORT4 (*(volatile struct st port4
                                          evenaccess *)0x8C004)
#define PORT5 (*(volatile struct st port5
                                          evenaccess *)0x8C005)
#define PORT6 (*(volatile struct st port6
                                         evenaccess *)0x8C006)
                                          __evenaccess *)0x8C007)
#define PORT7 (*(volatile struct st port7
#define PORT8 (*(volatile struct st port8
                                          __evenaccess *)0x8C008)
#define PORT9 (*(volatile struct st port9 evenaccess *)0x8C009)
#define PORTA (*(volatile struct st_porta __evenaccess *)0x8C00A)
#define PORTB (*(volatile struct st_portb __evenaccess *)0x8C00B)
#define PORTC (*(volatile struct st portc __evenaccess *)0x8C00C)
#define PORTD (*(volatile struct st_portd __evenaccess *)0x8C00D)
#define PORTE (*(volatile struct st_porte __evenaccess *)0x8C00E)
#define PORTF (*(volatile struct st portf __evenaccess *)0x8C00F)
#define PORTG (*(volatile struct st portg evenaccess *)0x8C010)
```