EE2361-Lecture 11 9/30/16

> Homework 2 13 due next Wed, 10/5

Assembly and the assembler file.s other files file .elf file we can program the Proxywith

The microchip Assembler (and other tools such as C coupiler) these are a port of the GNU Assembler Cand C complier + white > from => this is the bonia of the microchip xC8, xC16, 2mdxc32 compilers

Create Assembly Code From a C complér Cozther lunguisege compiler) o Or do His manualle

The XC16 assembler assenblux file.map optional

Assenblur Code formate (line of "code") [labeal: [mnomonic [operands]] [;commod] required 0-8 of these Optwar optival

There are for instructions

In arrembly code Directives there tell the sevenblor what to do, there all begin with. .egu, .bss, .end Typically arithmetic operations From Rant time we have the swap routine > look at swap.s

pointed out directues

3 stemdourd defined soctions. text - a section with

text - a section with executable code.

bes - for uninitialized data.

. bes - for unitialized dates.

Look at assembly from discussion 3

directives

include file for PIC24FJ64GA002 Linher file for "