19) **single and multiple module programs**

a) Procedures

- defined in the same file, different or same code segment, or in different files

- for procedures defined in different files:

CODE SEGMENT PARA PUBLIC ‘CODE’

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**PUBLIC** name

ASSUME CS:CODE

name PROC [NEAR/FAR]

……………………………

Instructions

……………………………

RET

name ENDP

CODE ENDS

END

Also, before main program, extern procedure must be specified:

EXTRN name: [NEAR/FAR]

……………..

Passing parameters to procedures:

- trough registers

- trough memory/pointer

- trough stack

b) Macros

- can be defined in the same file as the main project or in different file

- if defined in different file, the syntax remains unchanged. The only difference is we must

insert the following code snippet before the main program:

IF1

INCLUDE path\_to\_file\_containing\_macro

ENDIF