CTRL + ALT + F

DIR

CD JETPAKIS

DIR

JET PACK

Q (TO QUIT)

CD. (Up ONE LEVEL)

DIR

CD TASM

9:39 DIR

ASSEMBLY PROGRAMS HAVE THE EXTENSION ASM

EDIT SEPIS. ASM

ALT + F THEN KEY TO X TO EXIT

NOTE: DONT NEED . ASM

1) TO ASSEMBLE:

TASM SEP15

DIR

SED15.*

WE SEE:

SEPIS. ASM (SOURCE CODE)

SEPIS. OBJ (OBJECT CODE)

(2) TO LINK:

TLINK SEP15

(CREATES AN EXECUTABLE FILE)

HOW WOULD WE SEE THE EXECUTABLE FILE

DIR SEPIS.X

WE SEE:

SEPIS. ASM (SOURCE GOE)

SEPIS. EXE (EXECUTABLE)

SEPIS. MAP

SEPIS.OBJ (OBJECT FILE)

(3) TO RUP:

9:48

SEP15 A = ENTER KEY

CAPETAL A IS PRENTED

(3)

EDIT SEPIS. ASM

DELETE IST 3 LINES OF CODE SECTION

SHEFT REY + DOWN ANROW TO
HEGHLIGHT THE FERST 3 LINES
PRESS THE DELETE KEY

THERE ARE STELL ThO LINES IN THE CODE SECTEON.

SAUE THE FILE: ALTHERYS

EXTT: ALTHERYS

WE WILL ASSEMBLE, LINK AND RUN SEPIS ① TASM SEPIS

2 TLINK SEPIS

3) SEPIS (TO RIN PROGRAM)
WHY DOES THE PROGRAM NO LONGER PREM A?
WE TOOK OUT THE CODE TO DO THAT.

4

(9:57) copy SEPIS. ASM SEPISA. ASM

EDIT SEPISA. ASM

PUT IN LINE - MOV AX, I

SAUE FILE

ASSEMBLE LINK AND RLN SEPISA

1 TASM SEPISA

(2) TLINK SEPISA

3 SEPISA

WE WILL NOW DEBLG SEPISA

DIR X.EXE

EXIT

Q. WHICH FILE LISTED IS TURBO DEBUGGER?

A. TD.EXE

10:07 TD SEPISA DEBUG SEPISA

3

DEBUGGER

IT SAYS PROGRAM HAS NO SYMBOL TABLE.
PRESS ENTER

F7 WED TO TRACE WHILST IN THE DEBUGGER.

ON THE REGHT HAND PANE ARE THE
RECESTERS. WHAT ARE THEEN NAMES?

AX, RX, CX, DX, SI, DI, BP, SP

DS, ES, SS, CS, IP

NE CAN ALSO SEE THE PROGRAM CODE

WHAT VALUE IS IN AX AT THE MOMENT

PRESS THE FT KEY. WHAT VALUE IS

IN AX NOW? A. OOOI
WHY IS OOOI IN THERE?

A. BECAUSE WE HAVE JUST EXECUTED
THE FIRST LINE OF CODE

PRESS THE [F7] WEY AGATU WHAT VALUE IS IN AX NOW? A. 4COP

WHY IS THAT VALUE IN THERE?

PRESS THE IFT UEY AGAIN

WHAT HAS HAPPENED?

THE PROGRAM IS TERMINATED.

(10:2) PRESS ENTER.

PE WILL LEAVE THE DEBUGGER

[ALT + F] + Q (ALT + X)

IS FASTER

EDIT SEPISAASM

CHANGE THE IST LINE SO INSTEAD

OF MOVING I INTO AX, WE MOVE

THE NO. 2015 INTO AX

SAUE THE FILE



· LEAVE THE EDITOR

· ASSEMBLE, LINK AND DEBUG THE FILE.

TASM SEPISA

TLENK SEPISA

TD SEPISA

WHERES OUR 2015 GONE?

MOV AX, OFDF (IS NHAT IT SAYS)

OFDF is the Lexadecimal value for 2015.

LETS CALCULATE THAT

16 2015

16 125 R 15

16 L 7 R 13

0 R 7

NB: EVERYTHENG IN THE DEBLIGER IS EXPRESSED IN HEXADECTMAL STEP THROUGH BY PRESSED FF Copy SEDIS. ASM SEDIS & ASM EDIT SEPISB. ASM CHANGE COPE TO THAT BELOW: · CODE MOV AX, 2015 ADD AX, I ; ADD I TO AX SUB AX, 15 ; SUBTRACT 15 FROM AX ? A. 2001 WHAT WILL BE IN WHAT WILL WE SEE IN THE DEBUGGER?

EXERCISE: DEBUG SEPISB. ASM I.E.

10:49 [CTRL] + [ALT] + [F] GIVES BACK WINDOWS