NAME: ZEHRA MOHAMMAD TAQI

SEAT NO: B21110006167

MOV DX,13

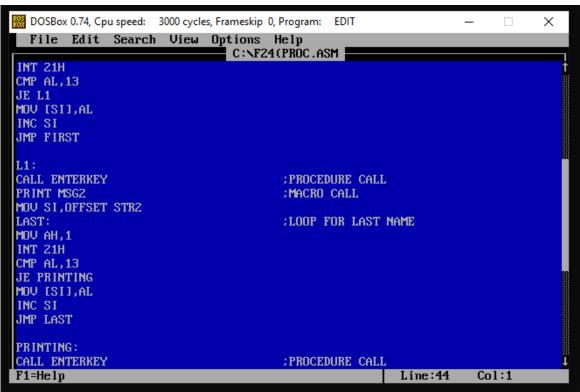
CODE USING PROCEDURE AND MACRO:

PRINT MACRO P1 ; MACRO STRUCTURE MOV DX, OFFSET P1 MOV AH, 9 INT 21H ENDM .MODEL SMALL .STACK 100H .DATA MSG1 DB 'ENTER FIRST NAME:' STR1 DB 100 DUP('\$') MSG2 DB 'ENTER LAST NAME:' STR2 DB 100 DUP('\$') .CODE MAIN PROC MOV AX, @DATA MOV DS, AX PRINT MSG1 ; MACRO CALL MOV SI, OFFSET STR1 ;LOOP FOR FIRST NAME FIRST: MOV AH, 1 INT 21H CMP AL, 13 JE L1 MOV [SI], AL INC SI JMP FIRST CALL ENTERKEY ; PROCEDURE CALL PRINT MSG2 ; MACRO CALL MOV SI, OFFSET STR2 ;LOOP FOR LAST NAME LAST: MOV AH, 1 INT 21H CMP AL, 13 JE PRINTING MOV [SI], AL INC SI JMP LAST PRINTING: CALL ENTERKEY ; PROCEDURE CALL PRINT STR1 ; MACRO CALL MOV DX,' ' MOV AH, 2 INT 21H PRINT STR2 ; MACRO CALL MOV AH, 4CH INT 21H MAIN ENDP ENTERKEY PROC ; PROCEDURE STRUCTURE MOV DX, 10 MOV AH, 2 INT 21H

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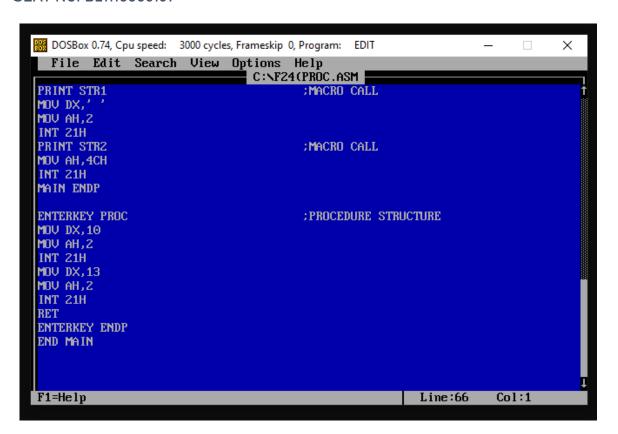
MOV AH,2 INT 21H RET ENTERKEY ENDP END MAIN

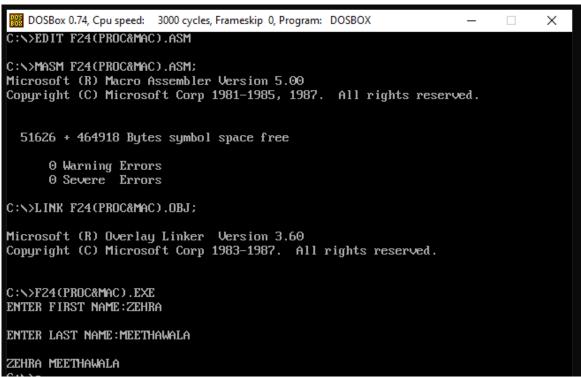




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WHY DO WE USE PEOCEDURE AND MACRO?

SINCE I WROTE A CODE FOR INPUT FIRST AND LAST NAME, I USED MACRO TO PRINT MESSAGES AND NAMES, AND PROCEDURE FOR ENTERKEY. BECAUSE OF MACRO AND PROCEDURE, I DIDN'T HAVE TO WRITE THE COMPLETE BLOCK OF CODE FOR EVERY INSTRUCTION, I JUST CALLED THEM IN THE CODE.