18M19CS168 Swelta Paty Swelling Lab program 4 · MODEL SMALL DISPLAY MACRO MSG LEA DX, MSG mov AH, 094 INT 214 ENDM · DATA MSGI DB ODH, OAH, " ENTER A STRING: - \$" MSG2 DB ODH, OAH, "ENTERED STRING IS PALINDROME"\$1) MSG3 DB ODH, OAH, "ENTERED STRING IS NOT A PALINDROMES" STR DB LOH DUPLO) REVETR DB LOW DOP(0) LEN DW O · CODE MOV Ax, @DATA MOV DS, AX DISPLAY MSG1 MON SE, 00H BACKI: MOV AH, OIH to get the input from Int 214 CMP AL, ODH Entre key is JZ NEXT

INC LEN JMP BACKI MEXI : MON SI, OOH NOO, IC WOM ADD DI, LEN ; di=00+09=09 DEC DI ; di = 08 (string of length 9 cx = 09 neons indean from o tog) MOV CX, LEN BACKZ: MOV AL, STR[SI] ; AL -STR[OD] MOV REVSTR [BL], AL ; REWSTR [8] AL INC SI. DEC DI LOOP BACK2 mov cx, LEN; Lx=9 MOV, IZ VOM MON DI, OOH CLD , it autosintrements the index BACK3: MOV BL, STR[SI] CMP BL, REVSTR[DI] JNZ NOTPALINDROME LOOP BACKS DISPLAY MSGZ JMP LAST NOTPALINDROME: DISPLAY MSG3. LAST: MOV AH, YCH INT 21H END

MOV STREST, AL

INC SI