

Program 13

Program to display ASCII equivalent of the key pressed

START: MVI A,0EH SIM EI CALL RDKBD PUSH PSW MOV B,A CALL ASCII MOV L,A RRC RRC RRC RRC CALL ASCII: MOV H,A POP PSW PUSH H CALL UPDDT POP H CALL UPDAD JMP START HALT: HLT ASCII: ANI 0FH CPI 0AH JC BAT ADI 07H BAT: ADI 30H RET	Step 1: Initialise the 8279 IC & initialize the interrupt system by suitable data Step 2: Convert the received data from the key pressed in to its ASCII equivalent Step 3: Display the same in the display field Step 4: Repeat the steps 1-4 for each key pressed till termination Step 5: Terminating point
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NOTE:

- Store the program from F000H
- Execute the program
- Press any key in the key board other than the RESET key
- The result will be displayed in the display field # The address for RDKBD: is 0634H