Vivekanand Education Society's Institute of Technology
Department of Computer Engineering

Subject: - Microprocessor

Semester:- V   **Div:-C**   **Class:-T.E. (D12)**

Roll No: 29	Name: Ajay Singh Khalsa		
Exp. No:12	Title**:** AIM: Program and interfacing of ADC using 8255		
DOP:	23/11/2020	DOS:	4/12/2020
GRADE:		LAB OUTCOMES : LO1,LO2,LO3	SIGNATURE:

INPUT:

```
DATA SEGMENT
PORTA EQU 00H
PORTC EQU 04H
CNTPRT EQU 06H
MEM DB 20H
DATA ENDS
CODE SEGMENT
ASSUME CS:CODE,DS:DATA
START:         MOV AX,DATA
MOV DS,AX
MOV DX,CNTPRT
MOV AL,98H
OUT DX,AL
MOV AL,01H
OUT DX,AL MOV
AL,00
OUT DX,AL
MOV DX,PORTC
CHK:    IN AL,DX
AND AL,80H
JZ CHK
MOV DX,PORTA
IN AL,DX
MOV MEM,AL
INT 3H
CODE ENDS
END START
```
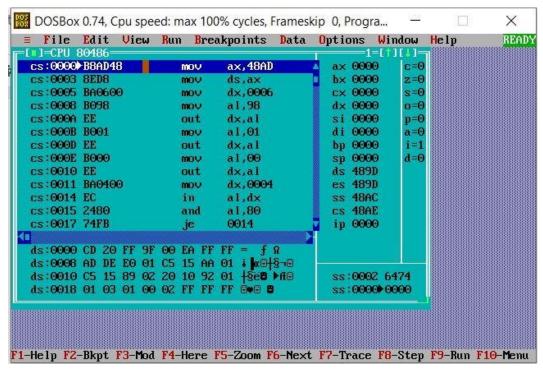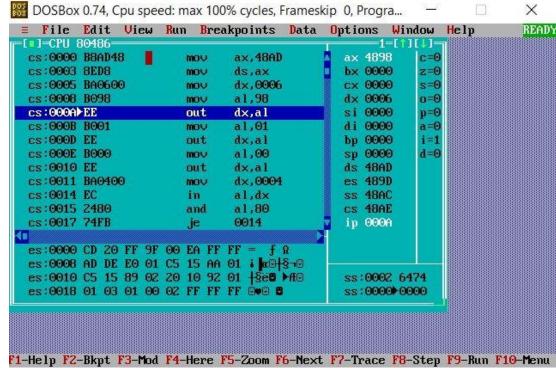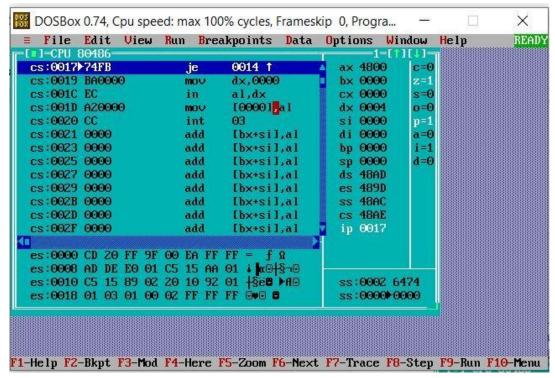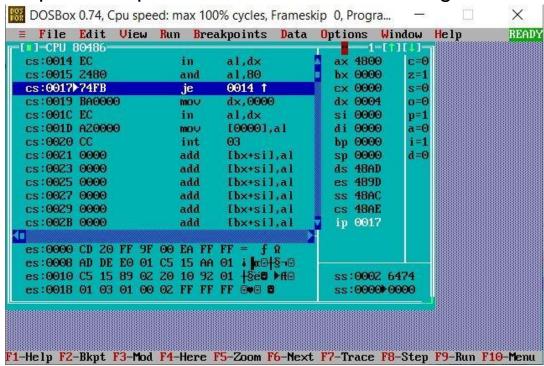
Output:

initially

Out statement executed

Jump back to previous statement as zero flag set to 1

As it is stuck in the loop the interfacing with ADC is successfully executed.