SIGCE

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SMT. INDIRA GANDHI COLLEGE OF ENGINEERING

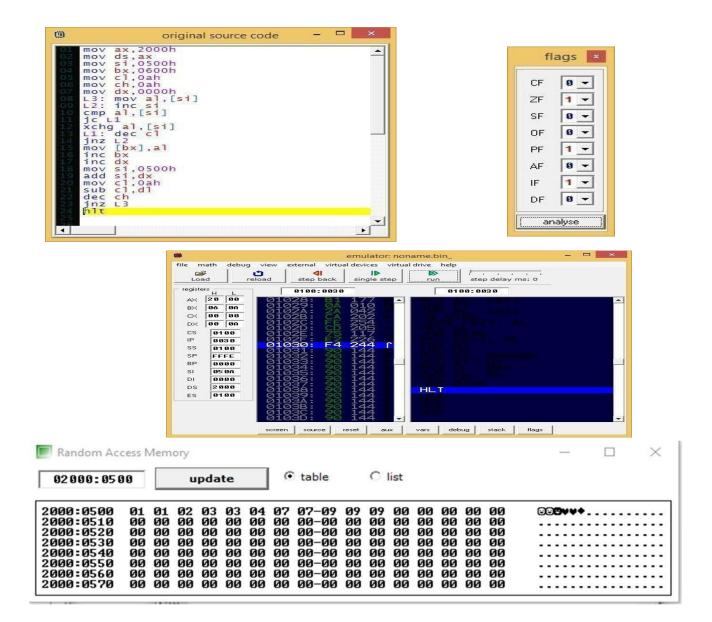
GHANSOLI, NAVI MUMBAI – 400 709

(Approved by AICTE New Delhi & Govt. of Maharashtra, Affiliated to University of Mumbai)
Computer Engineering Department
ACADEMIC YEAR: - 2023-24 (EVEN SEM)

Experiment No: - 7

Aim: - To perform the ascending/descending using assembly language.

otai iv	/larks	s(10)		Total Marks	DOP	Sign
В	C	D	E			
3	2	2	1			
]	В	ВС	B C D	B C D E	B C D E Total Marks	B C D E Total Marks



Result:

Thus the assembly language program to perform the ascending / descending has been performed and executed

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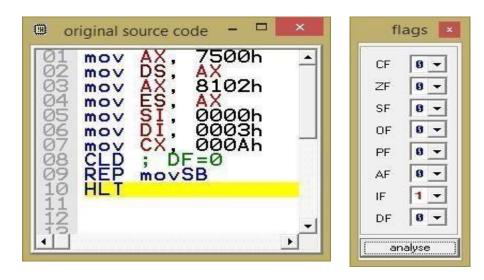
ACADEMIC YEAR: - 2023-24 (EVEN SEM)

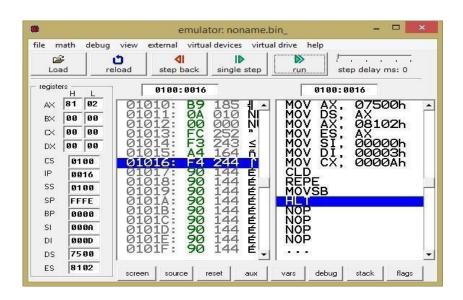
Experiment No: -8

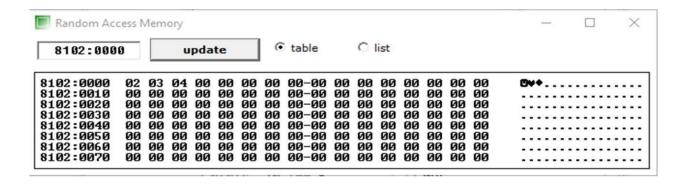
Aim:-. To transfer the block of data using string instruction.

Total Marks(10)					Total	DOD	C:
A	В	C	D	E	Total Marks	DOP	Sign
2	3	2	2	1			

Output:







Result:

Thus the assembly language program to transfer the block of data using String Operation has been performed and executed



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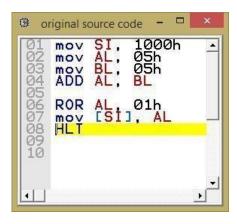
ACADEMIC YEAR: - 2023-24 (EVEN SEM)

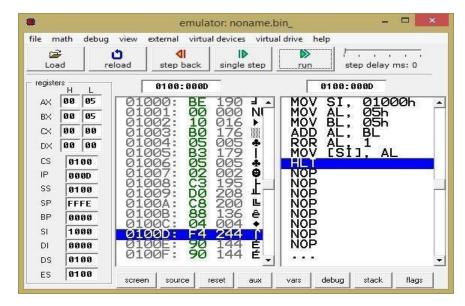
Experiment No:-9

Aim: To find the average of two number using assembly language

Total Marks(10)					Total	DOP	Sian
A	В	C	D	E	Total Marks	DOF	Sign
2	3	2	2	1			

Output:





Result:

Thus the average of two number using assembly language program has been performed and executed

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ACADEMIC YEAR: - 2023-24 (EVEN SEM)

Experiment No:- 10

Aim: - To interface LED with 8086

,	Total N	Mark	s(10)		Total Marks	DOP	Sign
A	В	C	D	E			
2	3	2	2	1			

OUTPUT: port 199 (2 bytes) emulator: led.bin debug virtual devices view virtual drive **dI** ID 0 LOAD single step step delay ms: 0 step back 0100:000D 0100:000D B8 184 D2 210 E9 233 E7 231 C7 199 B8 184 00 000 00 000 00 48 01005: 01007: 01008: 01009: 0100A: 0100A: 00 00 BX ĩ CX 00 00 00 00 DX 01.00C= 01.00E= 01.00E= 01.010= 01.0111= 01.0112= 01.013= 01.013= 01.014= 01.015= 01.017= 01.0116= 01.017= 01.0116= 01.0 CS 0100 IΡ 000D SS 0100 SP 0000 BP 0000 SI 0000 DI ពពពព 0100 DS ES corean cource recet aux vare debug stack flags original source code X #start=led_display.exe# 03 04 05 06 07 name "led" 08 mov ax, 1234 out 199, ax 09 mov ax, -5678 out 199, ax 13 ; Eternal loop to write ; values to port: ax, 0 mov 18 x1: out 199, ax inc ax jmp x1 hlt

Result:

Thus the average of two number using assembly language program has been performed and executed