[Computer Architecture and Logic Design]

Bahria University, Karachi Campus

[Lab no: 3]



LAB EXPERIMENT NO. $\underline{03}$

LIST OF TASKS

TASK NO	OBJECTIVE
1	Write a program in which take input if input is equal to 0 then print output otherwise again take input. Hint This is used by while loop.
2	Write a program in which take input and if input is less than 10 then add otherwise terminate the program.
3	Write a program in which print table.

Submitted On:

Date: 17/10/2022

[Lab no : 2]

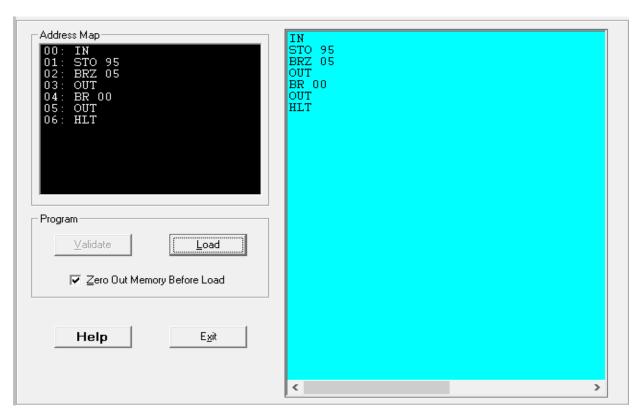
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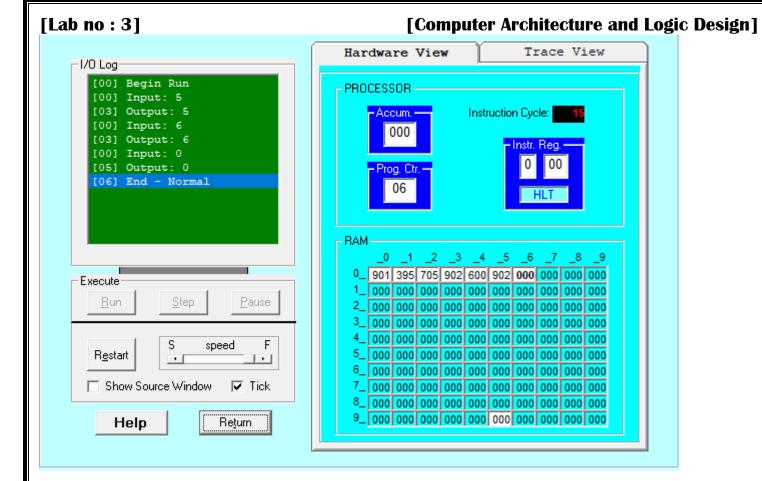
Task No. 1: Write a program in which take input if input is equal to 0 then print output otherwise again take input. Hint This is used by while loop.

Solution:

IN
STO 95
BRZ 05
OUT
BR 00
OUT
HLT

Output:





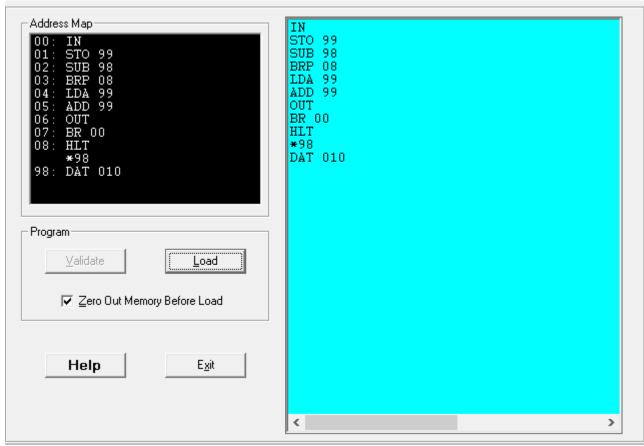
Task No. 2: Write a program in which take input and if input is less than 10 then add otherwise terminate the program.

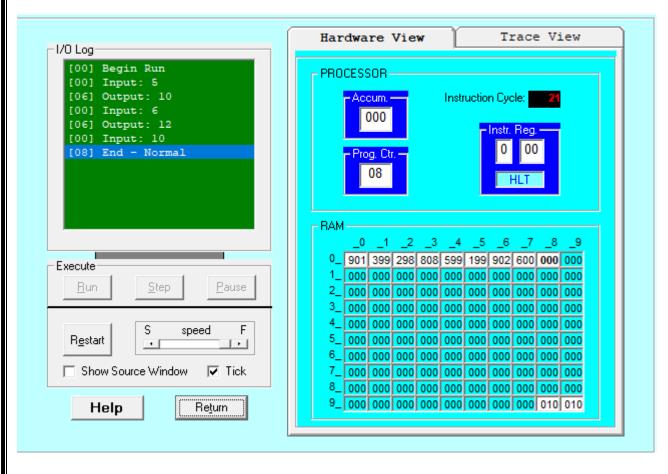
Solution:

IN STO 99 SUB 98 BRP 08 LDA 99 ADD 99 OUT BR 00 HLT *98 DAT 010

Output:

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Task No. 3: Write a program in which print table.

Solution:

ΙN STO 95 lda 97 add 96 sto 97 lda 98 add 95 sto 98 out lda 94 sub 97 brz 13 br 02 hlt *94 dat 010 *96 dat 001 *97 dat 000 *98 dat 000

Output:

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