NAME :- MOHD MONISH
REGISTRATION NO. :-2021CA063
CLASS:- MCA FIRST YEAR
SUBJECT:- DCO PRACTICALS
ASSIGNMENT :- QUESTIONS FROM01 TO
6
MOBILE NO:- 9821446257

PROGRAM 1

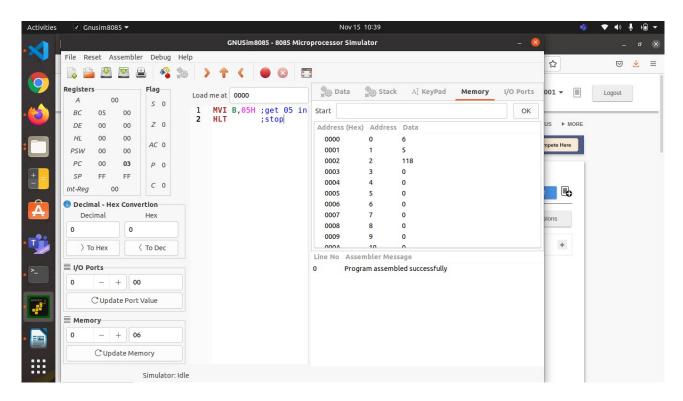
; Assembler generated listing; Not editable.

; Generated by GNUSim8085: http://www.gnusim8085.org/

0 06 05 MVI B,05H ;get 05 in register B

2 76 HLT ;stop

OUTPUT



PROGRAM 2

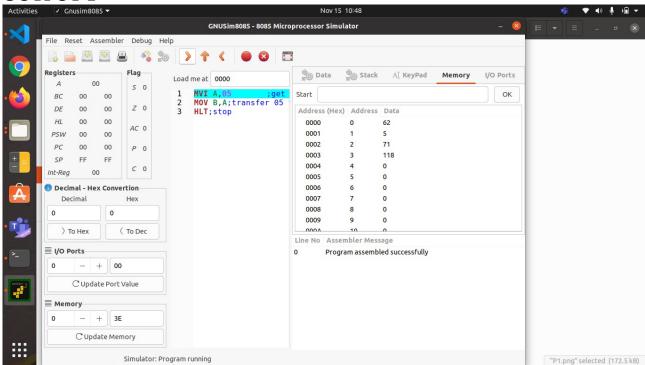
; Assembler generated listing; Not editable.

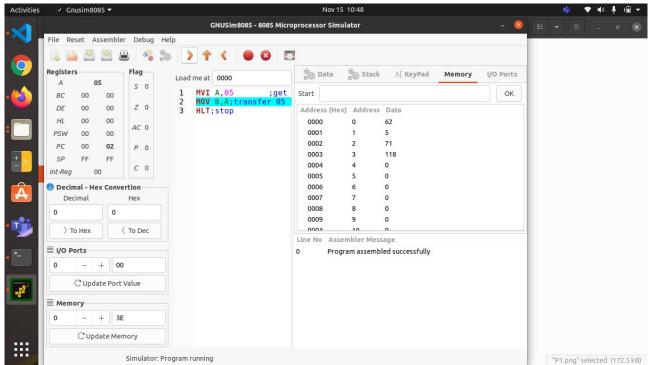
; Generated by GNUSim8085: http://www.gnusim8085.org/

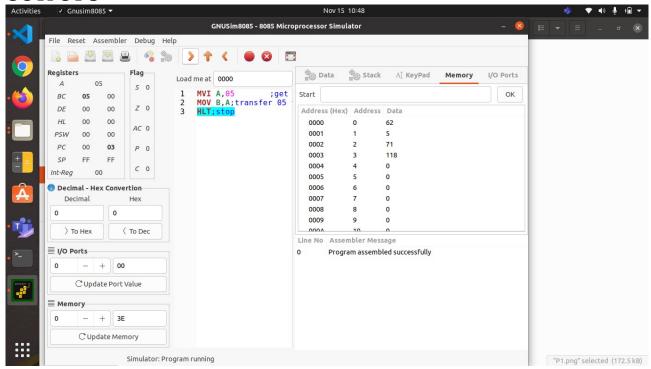
0 3E 05 MVI A,05 ;get 05 in register A

2 47 MOV B,A;transfer 05 from register A to B

3 76 HLT;stop







PROGRAM 3

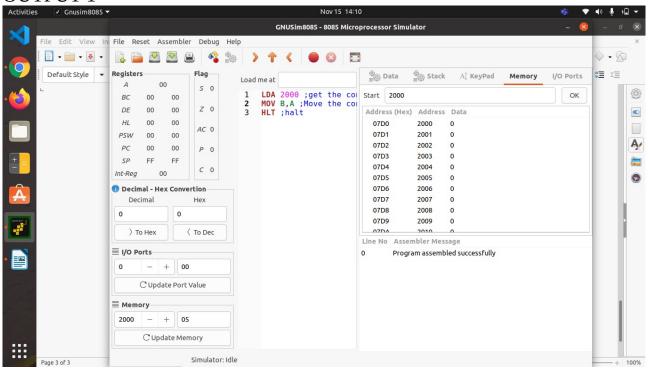
- ; Assembler generated listing; Not editable.
- ; Generated by GNUSim8085: http://www.gnusim8085.org/
- ;<Load to the content of memory location 2000H directly to the accumulator then transfer to it register B the content of memory location 2000H is 05>

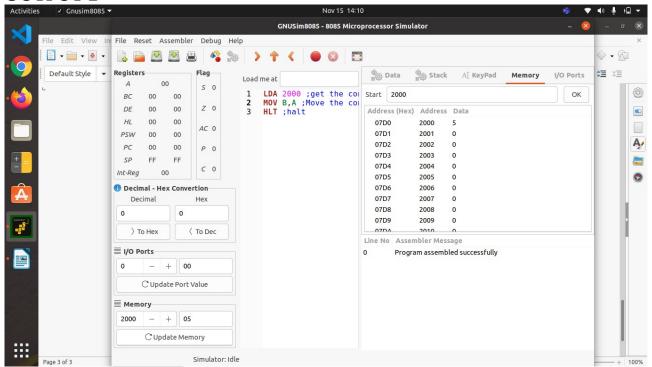
LXIH,

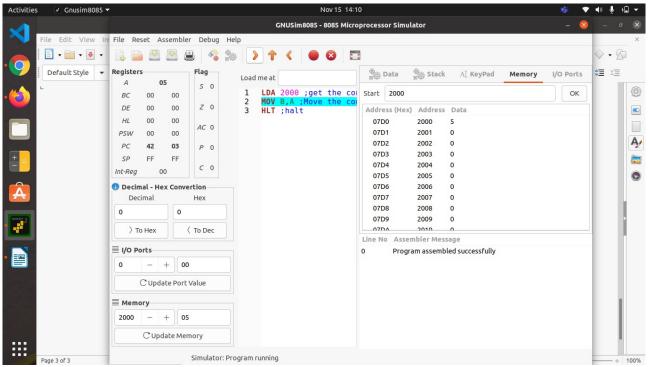
4200 3A D0 7 LDA 2000 ;get the content of the memory location FC50 H into accumulator

4203 47 MOV B,A; Move the content of register A to B

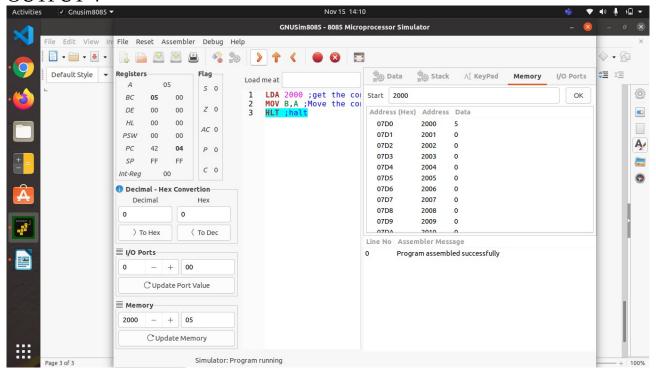
4204 76 HLT ;stop







OUTPUT 4



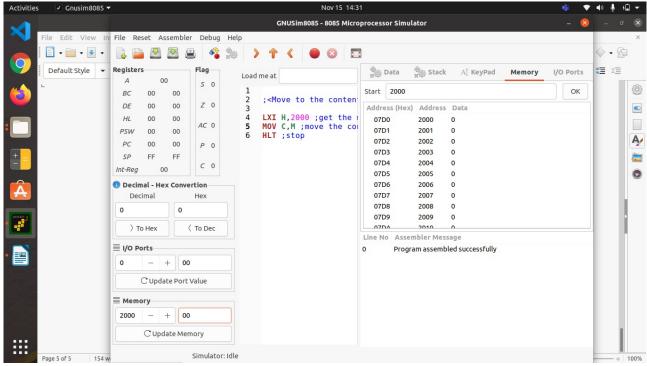
PROGRAM 4

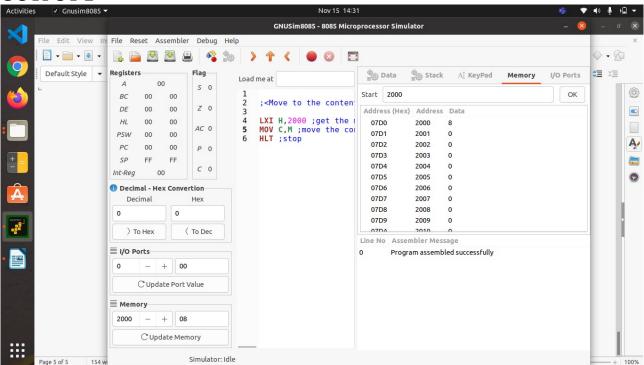
;<Move to the content of memory location 2000H to the register C the content of memory location 2000H is 08>

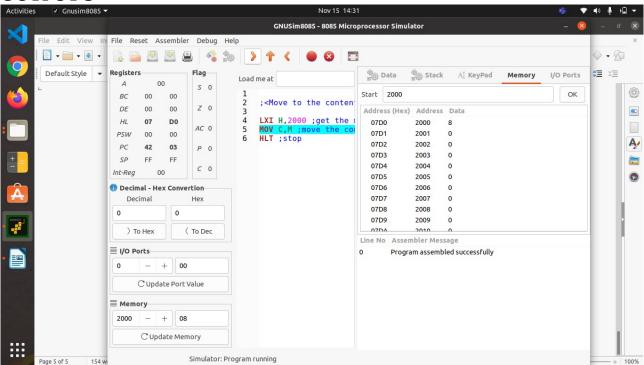
LXI H,2000 ;get the memory address 2000H in HL pair

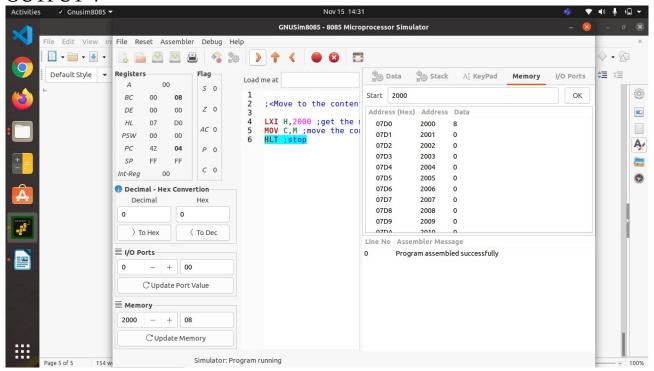
MOV C,M ;move the content of memory location whose address is in the HL pair to the register C

HLT;stop
OUTPUT 1









PROGRAM 5

- ; Assembler generated listing; Not editable.
- ; Generated by GNUSim8085: http://www.gnusim8085.org/

;<place the content of memory location 2000H in register B and that of 2201H in register C the content of 2000H and 2201H are 11H and 12H respectively>

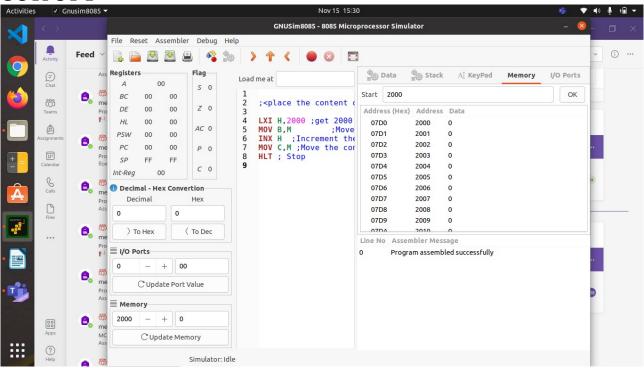
4200 21 D0 7 LXI H,2000 ;get 2000 in HL pair

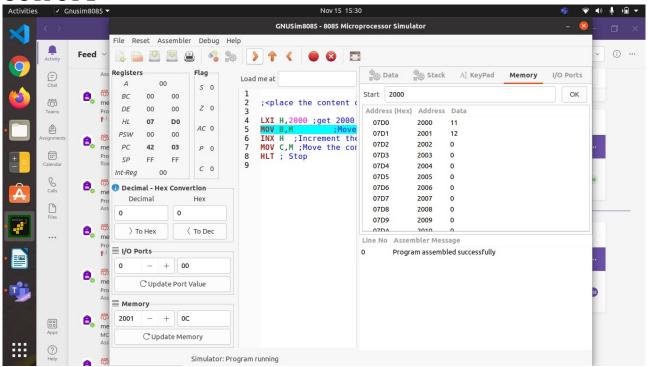
4203 46 MOV B,M;Move the content of 2000H to B

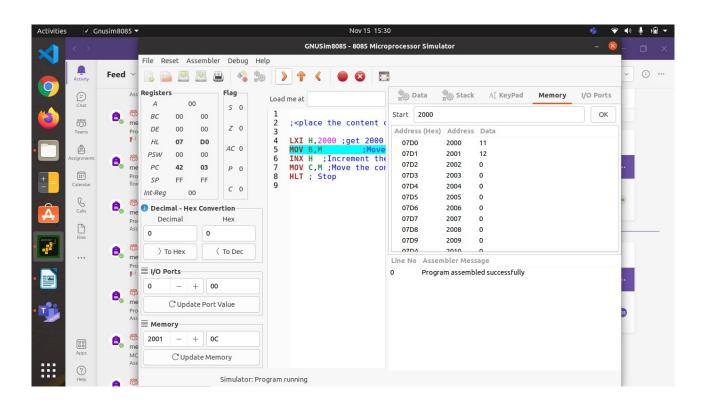
4204 23 INX H; Increment the HL pair by one

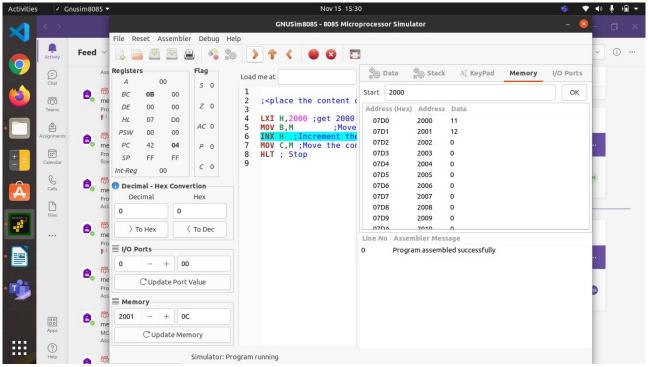
4205 4E MOV C,M ;Move the content of 2001H to C

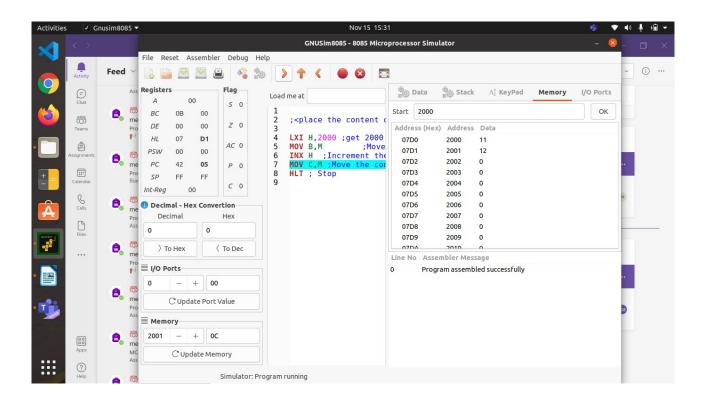
4206 76 HLT; Stop

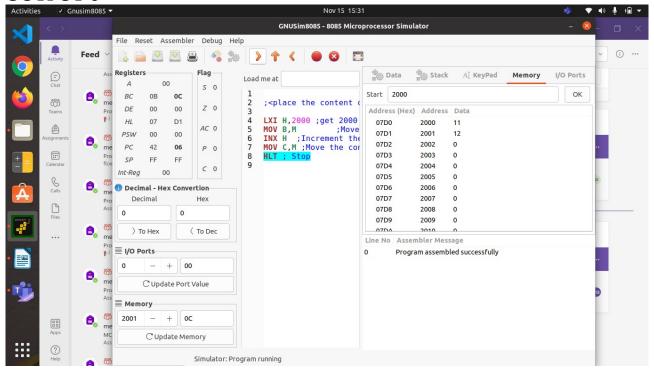












PROGRAM 6

- ; Assembler generated listing; Not editable.
- ; Generated by GNUSim8085: http://www.gnusim8085.org/

;<Place 05 in the accumulator increment it by one and store the result in the memory location 2000H> $\,$

 $4200 \ 3E \ 05 \ MVI \ A,05 \ ; get \ 05 \ in accumulator$

4202 3C INR A; Increment the content of accumulator by one

4203 32 D0 7 STA 2000 ;store result in 2000H

4206 76 HLT; stop

