AIM: To compute various logical operations using 8085 processor.

ALGORITHM:
1) Load data to accumulator.
2) Load another data in register.
3) Perform logical operations like AND, OR and XOR (Use ANA, ORA, XRA) with the accumulator content.
4) Store the result in specified memory location.

PROGRAM:

AND OPERATION:
MVI A,06
MVI B,04
ANA B
STA 2500
HLT
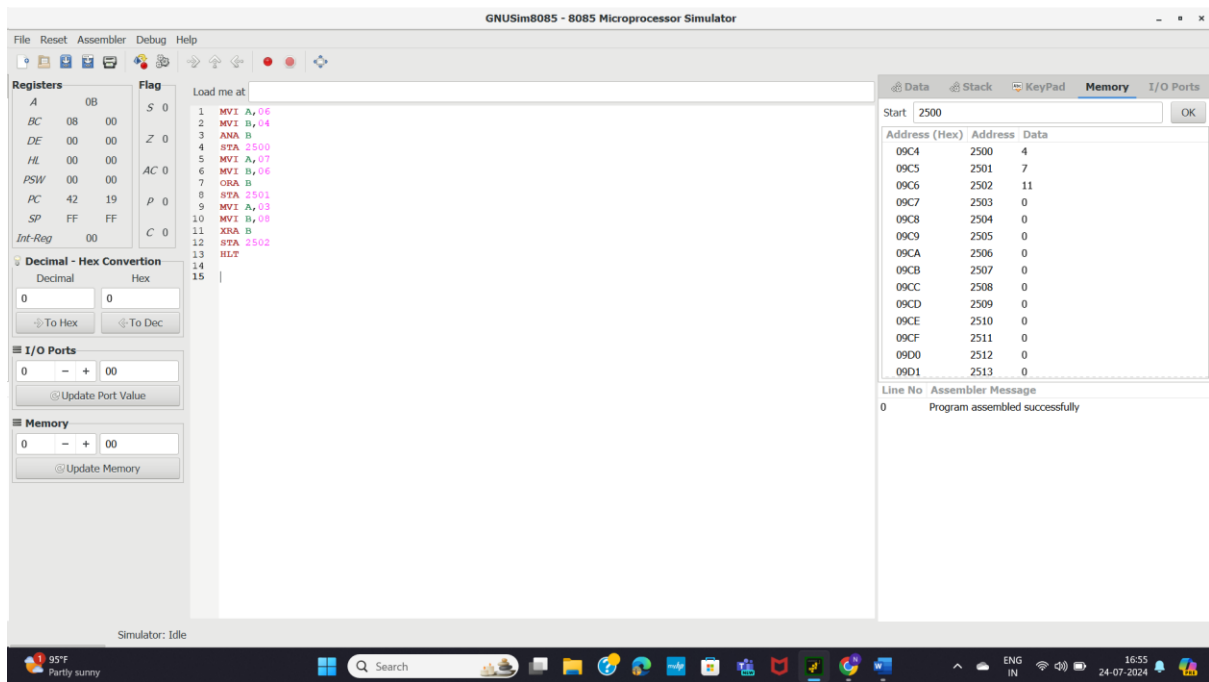
OR OPERATION:
MVI A,07
MVI B,06
ORA B
STA 2000
HLT

XOR OPERATION:
MVI A,03
MVI B,08
XRA B
STA 2000
HLT

INPUT:

Address (Hex)	Address	Data
09C4	2500	4
09C5	2501	7
09C6	2502	11

OUTPUT:

RESULT: Thus the program was executed successfully using 8085 processor simulator