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
```

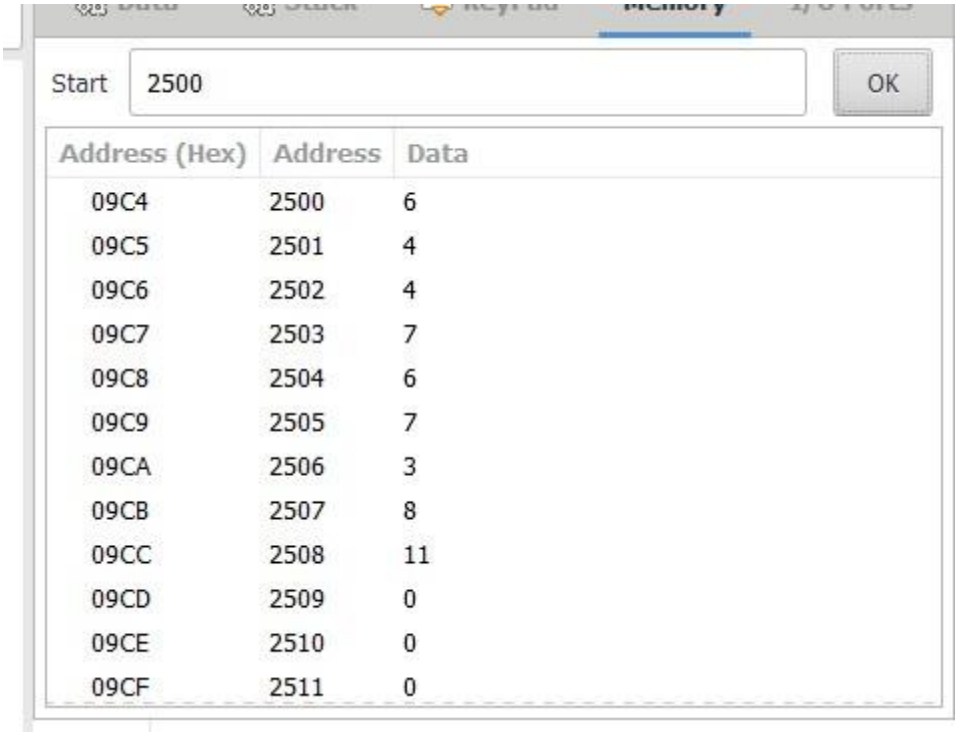
OR OPERATION:

```
MVI A,07
MVI B,06
ORA B
STA 2000
HLT
```

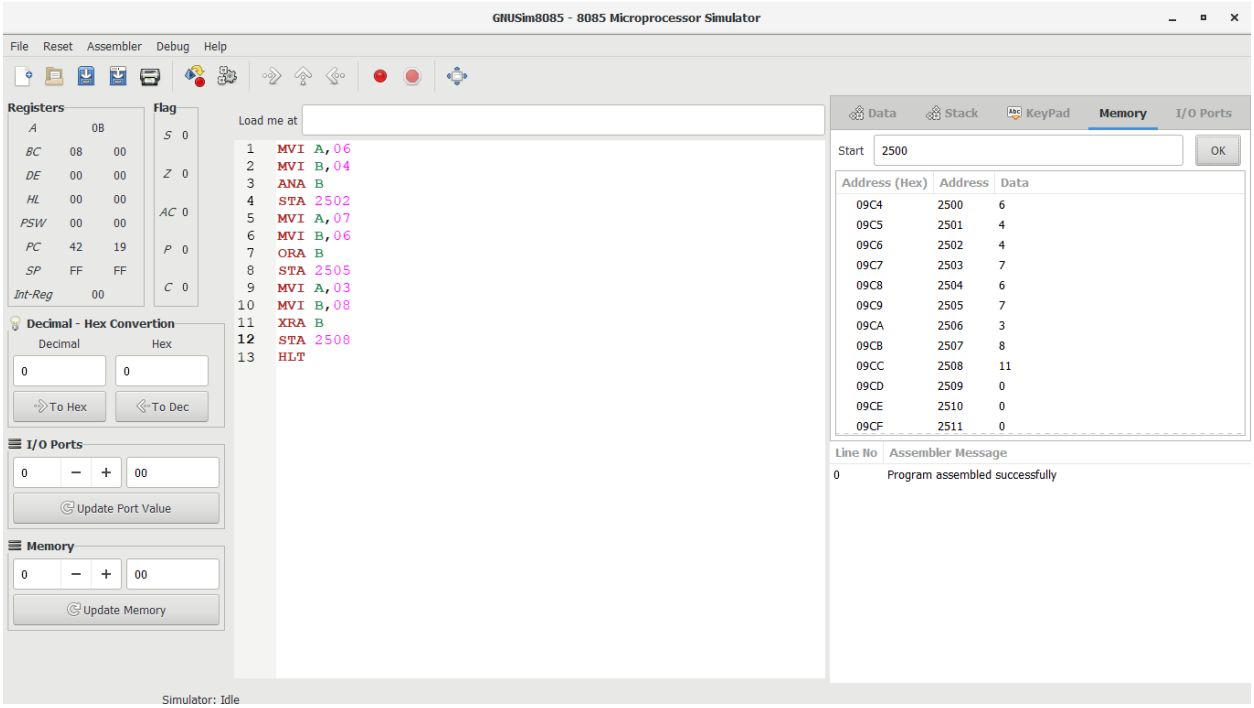
XOR OPERATION:

```
MVI A,03
MVI B,08
XRA B
STA 2000
HLT
```

INPUT:


Start
2500
OK
Address (Hex)
Address
Data
09C4 2500 6
09C5 2501 4
09C6 2502 4
09C7 2503 7
09C8 2504 6
09C9 2505 7
09CA 2506 3
09CB 2507 8
09CC 2508 11
09CD 2509 0
09CE 2510 0
09CF 2511 0

OUTPUT:



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