LOGICAL OPERATIONS

EXP NO: 20

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.

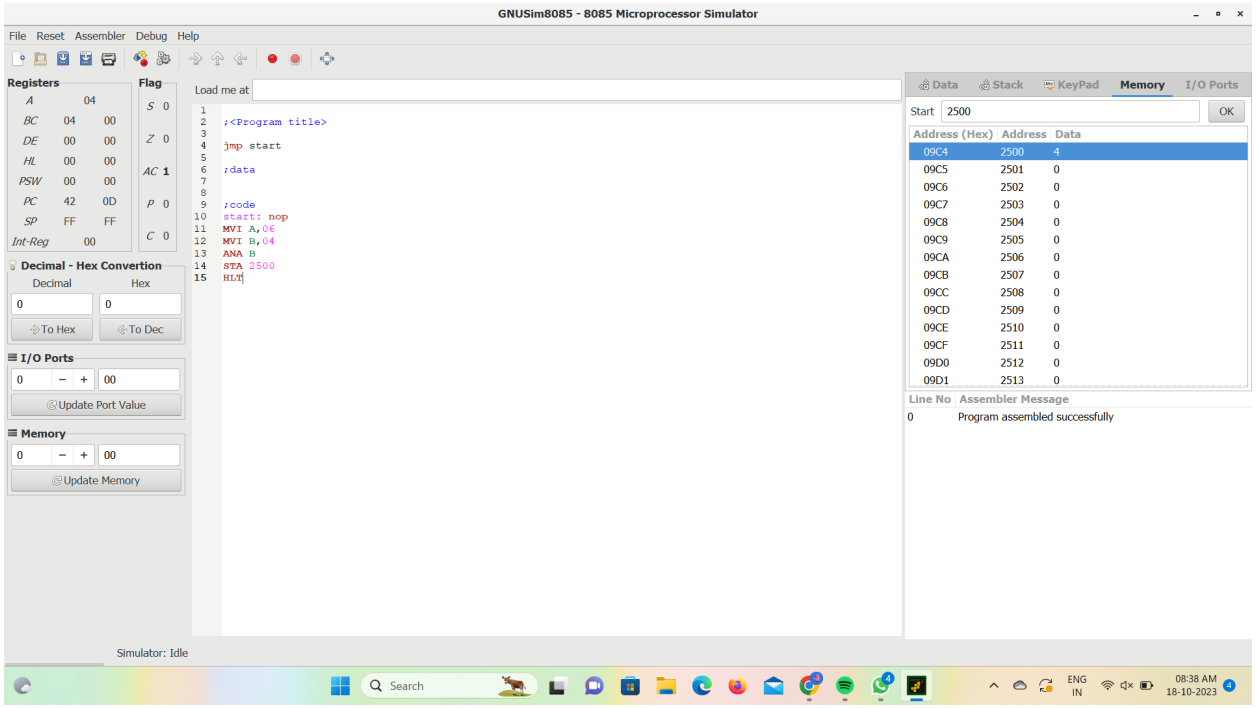
PROGRAM:

AND OPERATION:

```
MVI
A,06

MVI
B,04

ANA
B

STA
2500

HLT
```

INPUT:

OUTPUT:



OR OPERATION:

MVI
A,07

MVI
B,06

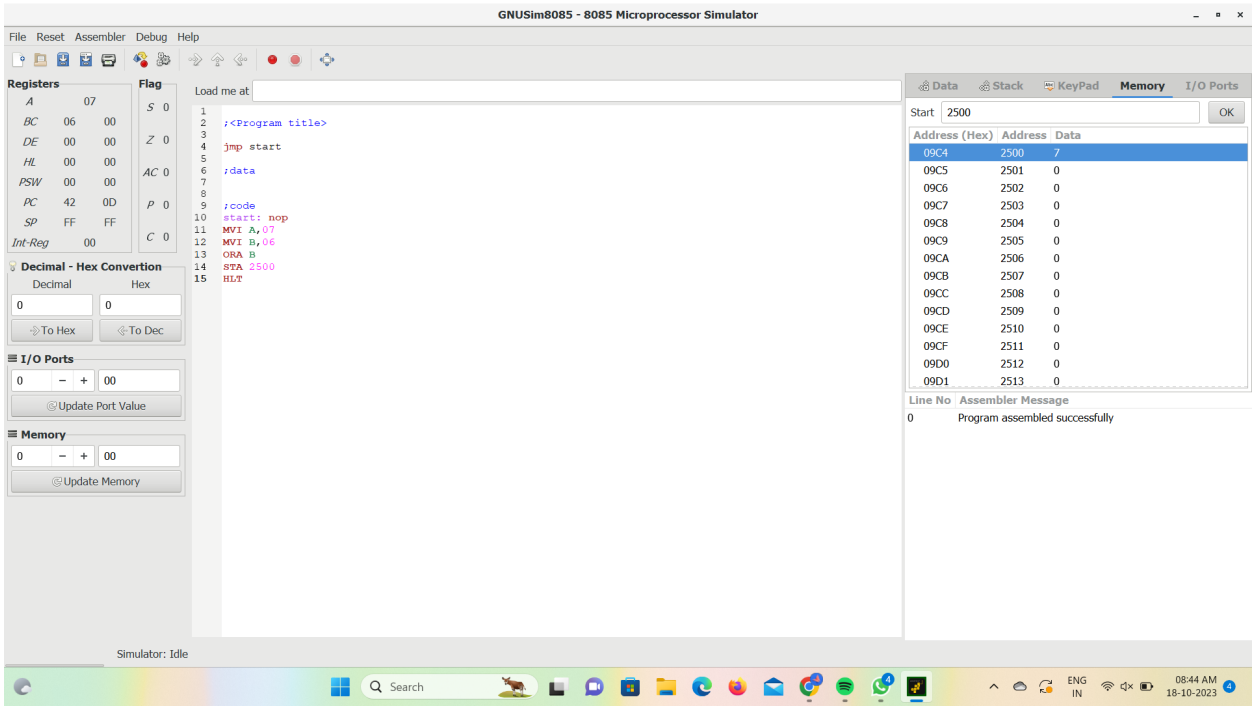
ORA
B

STA
2050

HLT

INPUT:

OUTPUT:



XOR

OPERATION:

MVI
A,03

MVI
B,08

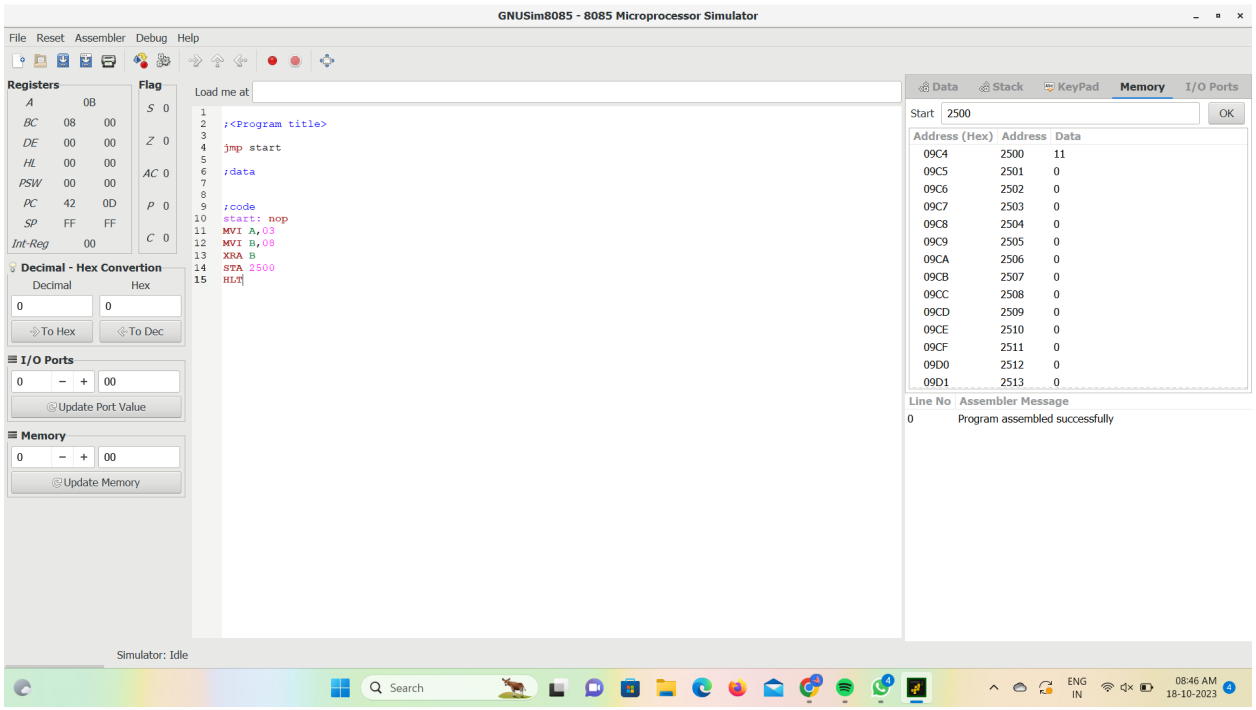
XRA
B

STA
2050

HLT

INPUT:

OUTPUT:



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