



Expt - 07

I AIM:- write & execute an assembly language program to multiply/divide two 8bit signed unsigned numbers

II Practical Related Questions

a1 state the difference between MUL & IMUL instruction

→ MUL

- This instruction is used to perform multiplication of two positive numbers.

- Both numbers must be positive

IMUL

- This instruction is used to perform multiplication of negative numbers

- At least one should be negative

Q2 state the flags affected after execution of IDIV instructions

→ No flags are changed.

a3 Which instruction is used for unsigned division is IDIV

→ The instruction used for unsigned division is IDIV

a4 Record result of $39E8H \div 39H = ABH$ 20

III Conclusion:- In this experiment we understood multiplication & division of signed/unsigned numbers