

Take your roll no (e.g 218742) as a multiplicand.
We have 32 bit a multiplicand and 8 bit multiplier.
We are assuming that the all registers having size of 8 bits.
Write Assembly code to perform Bit Multiplication using extended shift.

num1: dd (your rollno six digits)

num2: dw 196

Hint

Memory allocation:

- All variables must be declared, and memory space for each allocated.
 - Data definition directive can be followed by a single value, or a list of values separated by commas
 - Different data definition directives for different size types of memory
1. DB - define byte (8 bits)
 2. DW - define word (16 bits)
 3. DD - define double word (32 bits)
 4. DQ - define quad word (64 bits)