**Saad Ahmad (20P-0051)**

First we initialize multiplicand by 13 in db in 8 bit because we need to multiply by 4 bit number so the result will be in 8 bits and we will also initialize multiplier by 5, Now we need to apply this loop 4 times to move cl to 4. Now we will move multiplicand value to bl and multiplier to dl. Now loop will start and shr dl, mean will start the revolution so that right bit will move to carry flag if the carry flag do not set then shift to next bit and if set then add to result after the loop is completed the decrement cl and jump to loop again so that it will Run again.

Output:





















































