**COAL\_A\_p200165\_R6**

LAB NO 6:

In Lab No 6 we have studied about multiplication. We have two numbers multiplicand and multiplier. We have learned two new operations **shr** and **shl** in this. The **shr** will shift all the bits to right and fill the vacant position with 0 bit and **shl** will shift all the bits to left and fill the vacant position with the 0 bit. If after shifting the multiplier shift logical right the bit goes to the carry bit and if the carry is set then we will add multiplicand to the result memory location. **dec** instruction will decrement cl by 1.

That’s the code for mulitplication.

