**Tutorial-9**

Q.1 Assuming the accumulator contains 26H and previous operation has set the carry flag, add byte 57H to the accumulator. Also reflect status bit condition of the Flags: Sign, Carry, Auxiliary carry, Parity and Zero flag.

Q.2 Register B has 51H and accumulator has 47H. Add the content of register B to the content of the accumulator. Also reflect status bit condition of the Flags: Sign, Carry, Auxiliary carry, Parity and Zero flag.

Q. 3 8085 microprocessor operate on 2 MHz clock frequency. Total delay is calculated by the execution time of the instructions outside the loop and the instruction within the loop. Calculate total time delay of the following program.

Q.4. Calculate last address of segment, given the segment register values as 1234H, 2300H and AB00H.