**Embedded System LAB-Assignment**

* WAP to Load #55h in Register R0 & R1 respectively & copy the content of R0, R1 into register R2 & R3.
* WAP to Load #55h & #22h in register R0 & R1 and swap these value i.e. R0 in R1 and R1 in R0 after swapping.
* WAP to swap the value stored at memory location 29h & 35h.
* WAP to ADD the data in R0 with accumulator & store the result in R1.
* WAP to subtract the data in R0 with accumulator & store the result in R1.
* WAP to ADD the data in R0 & R1 and the result in R2, now clear the accumulator, reload the accumulator with a value of R1 and subtract R0 with accumulator & store the result in R3.
* WAP to swap the value store in register R0 & R1 without using exchange instruction.
* WAP to ADD #35h with accumulator five times without using a loop.

**Embedded System LAB-II**

* Write a program for multiplication of 02h and 05h using DJNZ instruction
* Find the sum of value 79h, F5h & E2h. put the sum in register R0(low byte) & (higher byte).

Using JNC

Using JC

* WAP to load the accumulator with A & complement the accumulator & 100 times.
* WRITE a program to copy the value 55H into RAM memory locations

40H to 44h using (a.) without a loop (b.) with a loop.

* Write a program to clear 16 RAM location starting at RAM address

60h.

* Write a program to copy a block of 10 bytes of data from 35H to 60H.