

MP Practical

Q. Store 5 numbers 01H, 02H, 03H, 04H, 05H in the Accumulator & the registers B, C, D, E. Transfer them to memory location C100 onwards.

<u>Address</u>	<u>Mnemonics</u>	<u>Operands</u>	<u>Machine Code</u>	<u>Comments</u>
C000, C001	MVI	A, 01H		Move the value 01H in the Acc
C002, C003	MVI	B, 02H		move the value 02H in Reg B
C004, C005	MVI	C, 03H		Move the value 03H in Reg C
C006, C007	MVI	D, 04H		Move the value 04H in Reg D
C008, C009	MVI	E, 05H		Move the value 05H in Reg E
C00A, C00B C00C	LXI	H, C100H		Load the memory address C100 in HL pair
C00D	MOV	M, A		Moving the content of Acc in memory
C00E	INX	H		increment the ^{local.} content of the Reg Pair (HL)

C00F MOV M, B

C010 INX H

C011 MOV M, C

C012 INX H
MOV M, D

C013 MOV

C014 INX H
MOV M, E

C015 STP

C016

Move the content of
the Reg B into the
memory location
contained in the Reg
pair (HL)
increment



Output:-

Address C100	→	01H
C101	→	02H
C102	→	03H
C103	→	04H
C104	→	05H