**;A table contains ten 8-bit data starting at 9000H. Write an 8085 program to transfer the data from this table to next table starting at 9020H if the number is greater than 40H and less than C0H, else store 00H.**

**LXI B,9000H ;(40H<n<C0H)**

**LXI D,9020H ;(64D<n<192D)**

**L1: MOV A,C**

**CPI 0AH**

**CNC L7**

**STC**

**CMC ;Reset C Flag**

**MVI A,00H**

**ADI 10H ;Reset Z Flag**

**LDAX B**

**CPI 40H ;(n>40H(=64D))**

**JNC L2**

**L3: MVI A,00H**

**STAX D**

**INR C**

**INR E**

**JMP L1**

**L2: JNZ L4**

**JMP L3**

**L4: CPI 0C0H ;(n<C0H(=192D))**

**JC L5**

**JMP L3**

**L5: JNZ L6**

**JMP L3**

**L6: STAX D**

**INR C**

**INR E**

**JMP L1**

**L7: JNZ L8**

**RET**

**L8: HLT**