**;A table contains ten 8-bit data starting at 8050H. Write an 8085 program to store the sum of odd numbers at 8060H and store sum of even numbers at 8070H. Also display the sum of even numbers at output ports after 2-3 seconds of displaying the sum of odd numbers.**

**LXI B,8050H ;With Timer**

**MVI H,00H**

**L1: MOV A,H**

**INR H**

**CPI 0AH**

**CNC L2**

**STC**

**CMC ;Reset C Flag**

**LDAX B**

**INR C**

**MOV D,A**

**RAR**

**JNC L3 ;Even**

**JC L4 ;Odd**

**L3: MOV A,E ;E stores sum of even numbers**

**ADD D ;A has changed after rotation so**

**MOV E,A**

**JMP L1**

**L4: MOV A,L ;L stores sum of odd numbers**

**ADD D ;A has changed after rotation so**

**MOV L,A**

**JMP L1**

**L2: MOV A,E**

**STA 8070H**

**MOV A,L**

**STA 8060H**

**OUT 40H**

**MOV C,E**

**CALL L5**

**MOV A,C**

**OUT 40H**

**JMP L10**

**L5: LXI D,0FFFFH ;Approx 0.5 sec delay**

**L6: DCX D**

**MOV A,D**

**ORA E**

**JNZ L6**

**LXI D,0FFFFH ;Approx 0.5 sec delay**

**L7: DCX D**

**MOV A,D**

**ORA E**

**JNZ L7**

**LXI D,0FFFFH ;Approx 0.5 sec delay**

**L8: DCX D**

**MOV A,D**

**ORA E**

**JNZ L8**

**LXI D,0FFFFH ;Approx 0.5 sec delay**

**L9: DCX D**

**MOV A,D**

**ORA E**

**JNZ L9**

**RET**

**L10: HLT**

**;A table contains ten 8-bit data starting at 8050H. Write an 8085 program to store the sum of odd numbers at 8060H and store sum of even numbers at 8070H. Also display the sum of even numbers at output ports after 2-3 seconds of displaying the sum of odd numbers.**

**LXI B,8050H ;Without Timer**

**MVI H,00H**

**L1: MOV A,H**

**INR H**

**CPI 0AH**

**CNC L2**

**STC**

**CMC ;Reset C Flag**

**LDAX B**

**INR C**

**MOV D,A**

**RAR**

**JNC L3 ;Even**

**JC L4 ;Odd**

**L3: MOV A,E ;E stores sum of even numbers**

**ADD D ;A has changed after rotation so**

**MOV E,A**

**JMP L1**

**L4: MOV A,L ;L stores sum of odd numbers**

**ADD D ;A has changed after rotation so**

**MOV L,A**

**JMP L1**

**L2: MOV A,E**

**STA 8070H**

**MOV A,L**

**STA 8060H**

**OUT 40H**

**MOV C,E**

**MOV A,C**

**OUT 40H**

**JMP L10**

**L10: HLT**