Q2. There are 12 bytes of data starting from 9000H. Transfer by complementing those data to location starting from 9010H.

```
LXI H, 9000H
LXI D, 9010H
MVI C, 0CH
LOOP: MOV A, M
CMA
STAX D
INX H
INX D
DCR C
JNZ LOOP
HLT
```

Q3. WAP to add upper and lower nibble of a data stored at 9000H, and store the final result at 9010H.

```
LDA 9000H
ANI 0FH
MOV B, A
LDA 9000H
ANI F0H
RRC
RRC
RRC
RRC
ADD B
STA 9010H
HLT
```

Q4. WAP to transfer 8-bit data from one table to another by setting bit D_5 and resetting D_6.

```
LXI H, 9000H
LXI D, 9010H

LOOP: MOV A, M
ORI 20H
ANI BFH
STAX D
INX H
INX D
MOV A, L

CPI 08H
JNZ LOOP
HLT
```

Q5. Write a program to transfer 8-bit data from one table to another if there is even number of one else store zero.

```
LXI H, 9000H
LXI D, 9010H
MVI C, 08H

LOOP: MOV A, M
ADI 00H
JPE STOREORIGINAL
MVI A, 00H
STAX D
JMP EXIT
```

```
STOREORIGINAL: STAX D
EXIT: INX H
INX D
DCR C
JNZ LOOP
HLT
```