MIT Practicals Assignment 2 Krunal Rank (U18C0081)

Question 1: Write a program to shift 8-bit no by three bits left. Assume data is in register C.

;<Question 1> jmp start ;data ;code start: mov A,C ral ral ral mov C,A hlt

Question 2: Write a program to shift 8-bit data four bits right. Assume data is in register C.

;<Question 2> jmp start ;data ;code start: mov A,C rar rar rar rar mov C,A hlt

Question 3: Program to Find Sum of Series of 8-bit Numbers.

```
;<Question 4>
jmp start
;data
;code
start: lxi H,0BB8H
       mov C, M
       lxi H, 0BB9H
       xra A
       mov E, A
LOOP: add M
       inc SKIP
       inr E
SKIP: dcr C
       inx H
       jnz LOOP
       lxi H,0BB7H
       mov M, A
       inx H
       mov M, E
hlt
```

Question 4: Program to Multiply Two 8-bit Numbers.

```
;<Question 4>
jmp start
;data
;code
start: lxi H,07D1H
       xra A
       mov B,A
       mov B, M
       inx H
LOOP: add M
      jnc SKIP
       inr C
SKIP: dcr B
       inz LOOP
       lxi H,07D0H
       mov M, A
hlt
```

Question 5: Largest of two 8-bit numbers