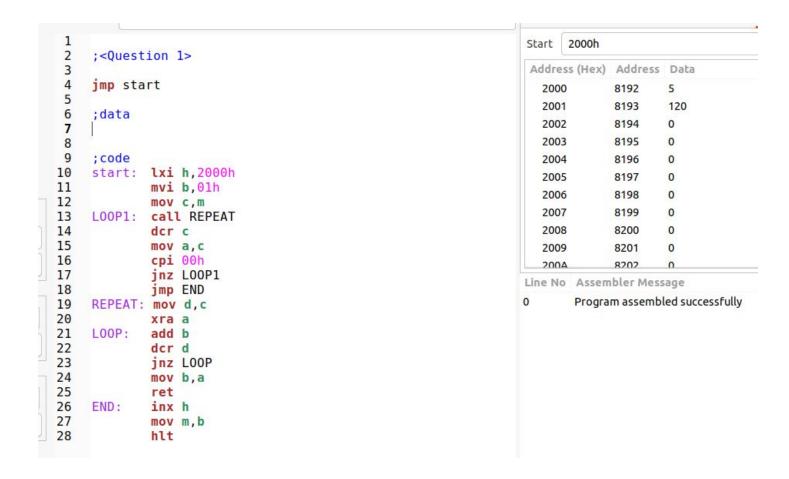
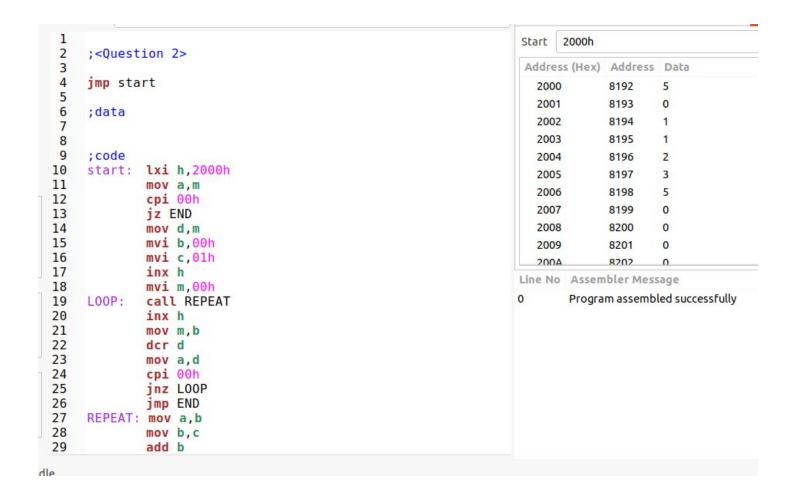
MIT Practicals Assignment 6 Krunal Rank (U18C0081)

Question 1: A string of readings is stored in memory, locations starting at 2070H, and the end of the string is indicated by the byte 0DH. Write a program to check each byte in the string, and the save the bytes in the range of 30H to 39H (both inclusive) in memory locations starting from 2090H.



Question 2: WAP for Fibonacci Series using Call and Subroutine.



Question 3: WAP to find Multiplication of Two 8-Bit Numbers using Call and Subroutine.



Question 4: Write Assembly language program to find the square/square root of a number .The number is stored at location 5000H, store the result at 5050H.

```
2000h
                                                                          Start
 2
     ;<Question 4>
 3
                                                                           Address (Hex) Address Data
 4
     jmp start
                                                                                        8192
                                                                                                 5
                                                                             2000
 5
                                                                                         8193
                                                                             2001
                                                                                                 25
     ;data
                                                                             2002
                                                                                        8194
                                                                                                 0
 7
                                                                             2003
                                                                                        8195
                                                                                                 0
8
9
     ; code
                                                                             2004
                                                                                        8196
                                                                                                 0
10
              lxi h, 2000h
     start:
                                                                             2005
                                                                                         8197
                                                                                                 0
11
               mov b, m
                                                                             2006
                                                                                         8198
                                                                                                 0
12
              mov c, m
                                                                             2007
                                                                                         8199
                                                                                                 0
13
     LOOP:
               call REPEAT
14
                                                                             2008
                                                                                         8200
                                                                                                 0
               dcr b
15
              mov a, b
                                                                             2009
                                                                                         8201
                                                                                                 0
16
               cpi 00h
                                                                             200A
                                                                                         8202
17
               jnz LOOP
                                                                          Line No Assembler Message
               jmp END
18
                                                                                  Program assembled successfully
19
     REPEAT: mov a,d
20
               add c
21
               mov d, a
22
               ret
23
     END:
               inx h
24
               mov m, d
25
               hlt
```

