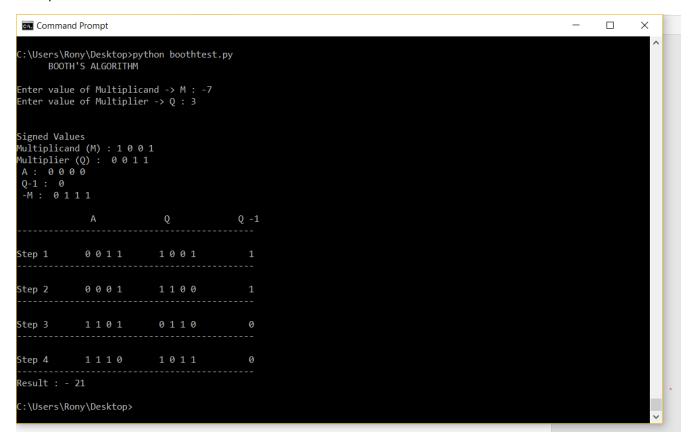
BOOTH'S ALGORITHM

Example 1: 7*3

```
Command Prompt
                                                                                                                                     \times
C:\Users\Rony\Desktop>python boothtest.py
      BOOTH'S ALGORITHM
Enter value of Multiplicand -> M : 7
Enter value of Multiplier -> Q : 3
Signed Values
Signed Values
Multiplicand (M) : 0 1 1 1
Multiplier (Q) : 0 0 1 1
A : 0 0 0 0
Q-1 : 0
-M : 1 0 0 1
                                               Q -1
Step 1
              1 1 0 0
                              1001
Step 2
              1 1 1 0
                              0 1 0 0
Step 3
              0010
                              1010
Step 4
              0001
                              0 1 0 1
Result : 21
 :\Users\Rony\Desktop>
```

Example 2: -7*3



Example 3: -12*-3

```
Command Prompt
                                                                                                                                                                        \times
                                                                                                                                                              C:\Users\Rony\Desktop>python boothtest.py
BOOTH'S ALGORITHM
Enter value of Multiplicand -> M : -12
Enter value of Multiplier -> Q : -3
Signed Values
Multiplicand (M) : 1 0 1 0 0
Multiplier (Q) : 1 1 0 1
A : 0 0 0 0 0
Q-1 : 0
-M : 0 1 1 0 0
Step 1
                  1 1 1 0 1
                                         0011
Step 2
Step 3
Step 4
                  00010
                                        0100
Result : 36
C:\Users\Rony\Desktop>
```