YASH VERMA

19075083

B.tech CSE

Lab Assignment 4

****

Code:

```
;<Program title>
jmp start
;data
;code
start: nop
MVI C,01
MVI B,01
LXI H, 000CH
MOV A,M
up: SUB B
JZ down
INR C
INR B
INR B
JMP up
down: MOV A,C
STA 000DH
hlt
```

Input:

00CH-> 121

Output:

00DH-> 11

Verification:

11*11=121, which is the same result as stored in 00DH. Hence,it stands verified.