

Assignment 2

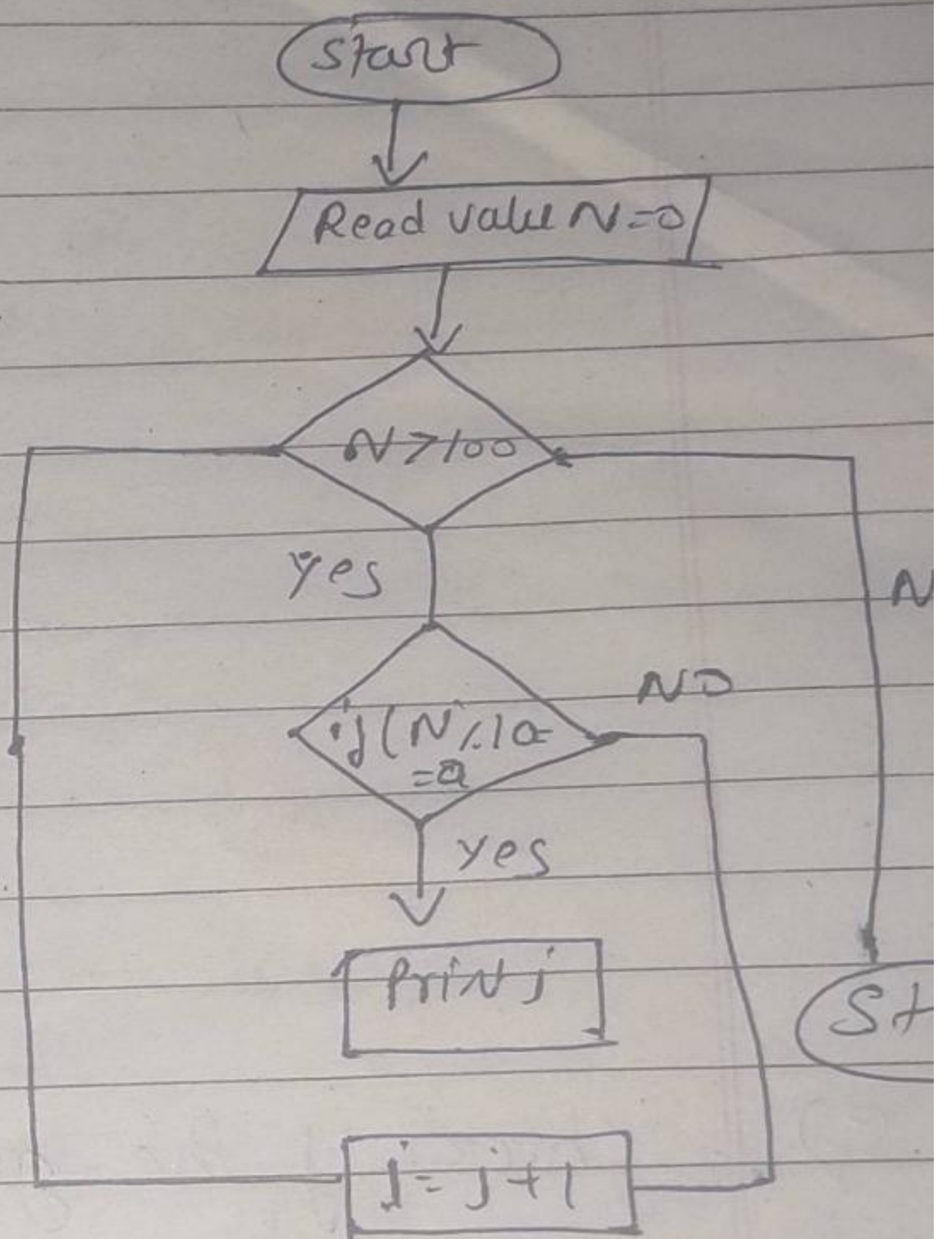
Write algorithm and flow chart with condition (whenever applicable)

a) Print even number between 0 to 99

Algorithm

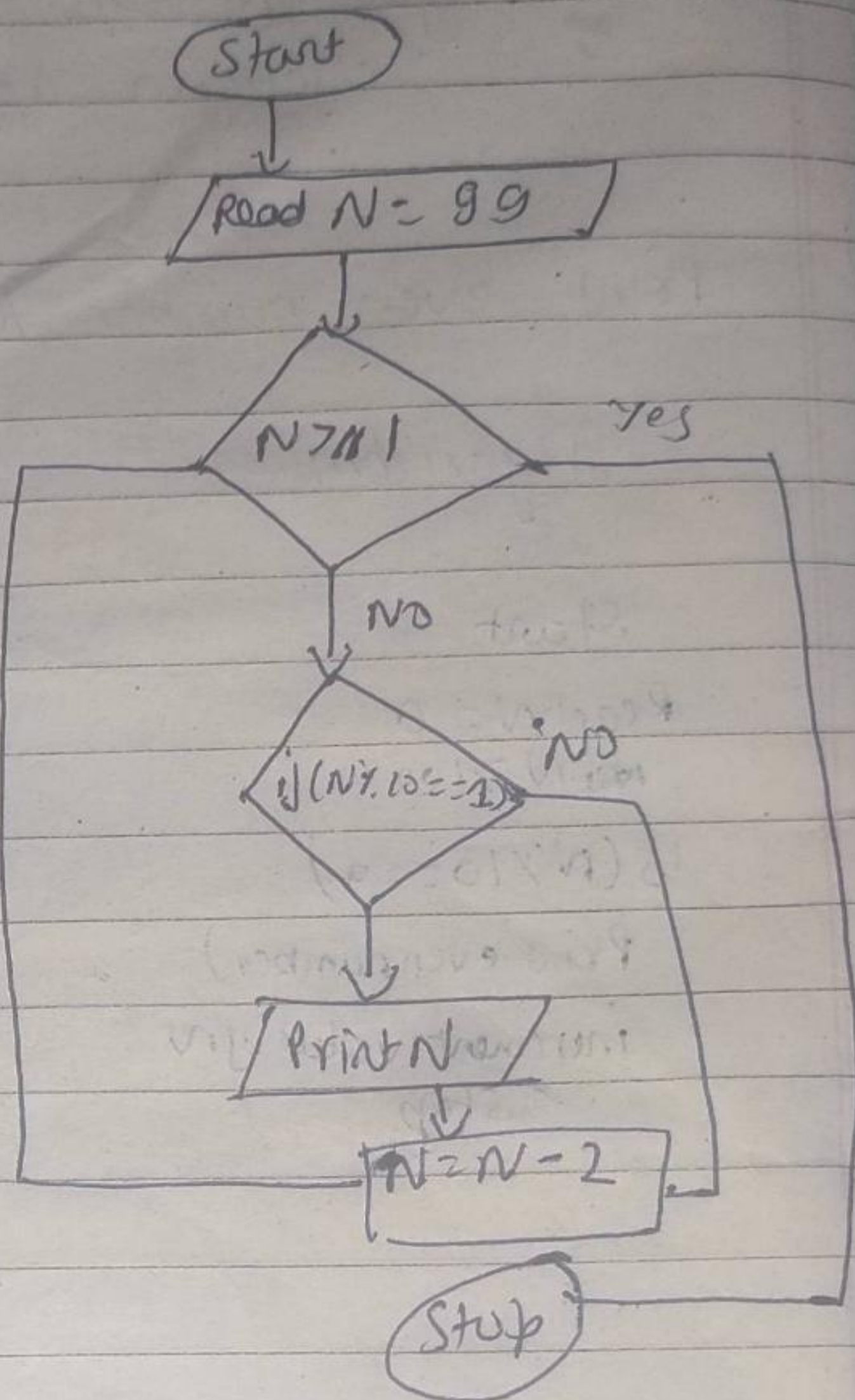
Start
Read $N = 0$
~~Read $N = 0$~~
 $N < 100$
if $(N \% 10 == 0)$
Print even number
increment value of N
Stop

Flow chart



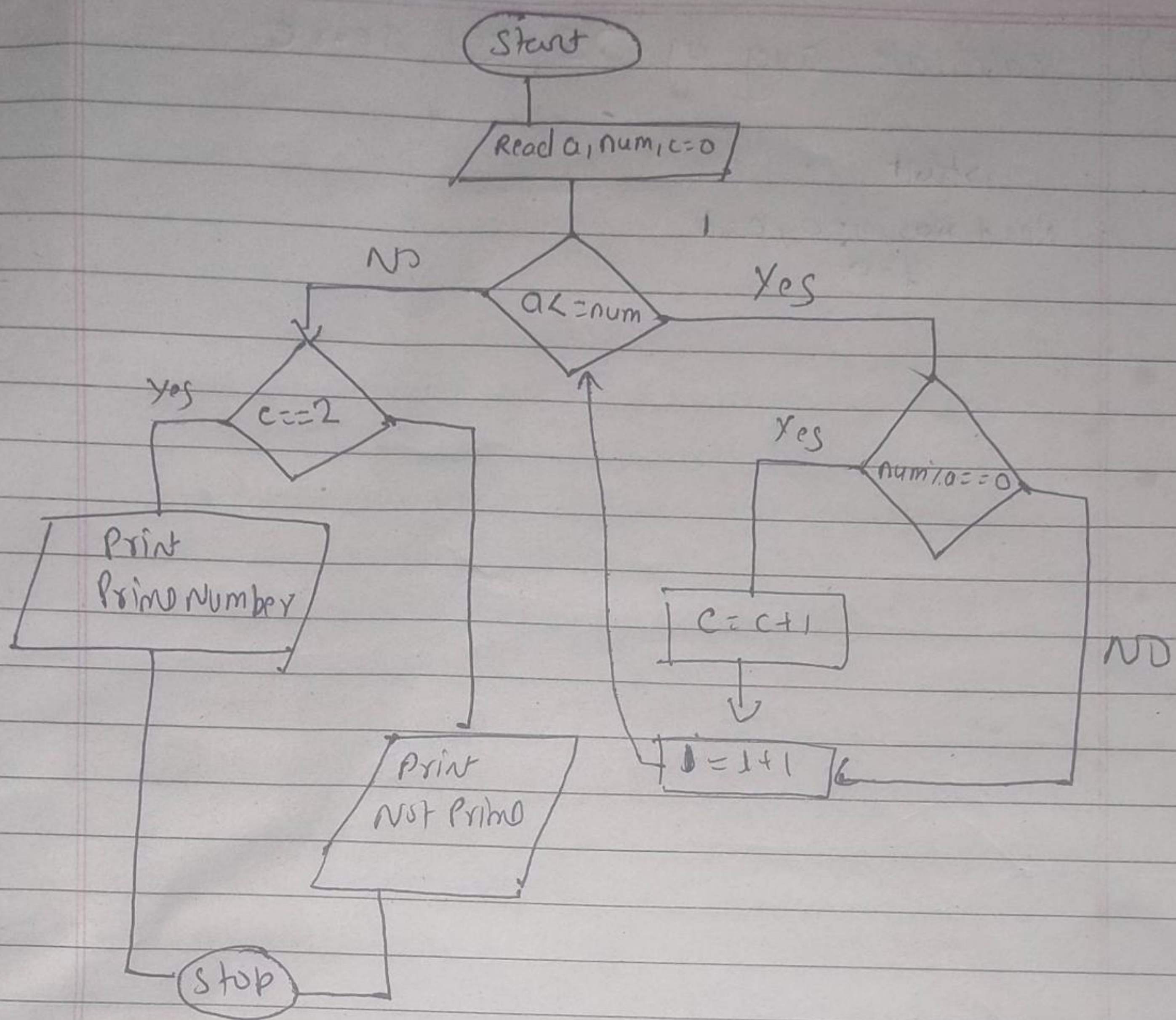
5) Print odd number backward from 99 to 1

Start
 Read $N = 99$
 $N \geq 1$
 $(N \% 10 == 1)$
 Print odd number
 decrement value
 of N
 Stop



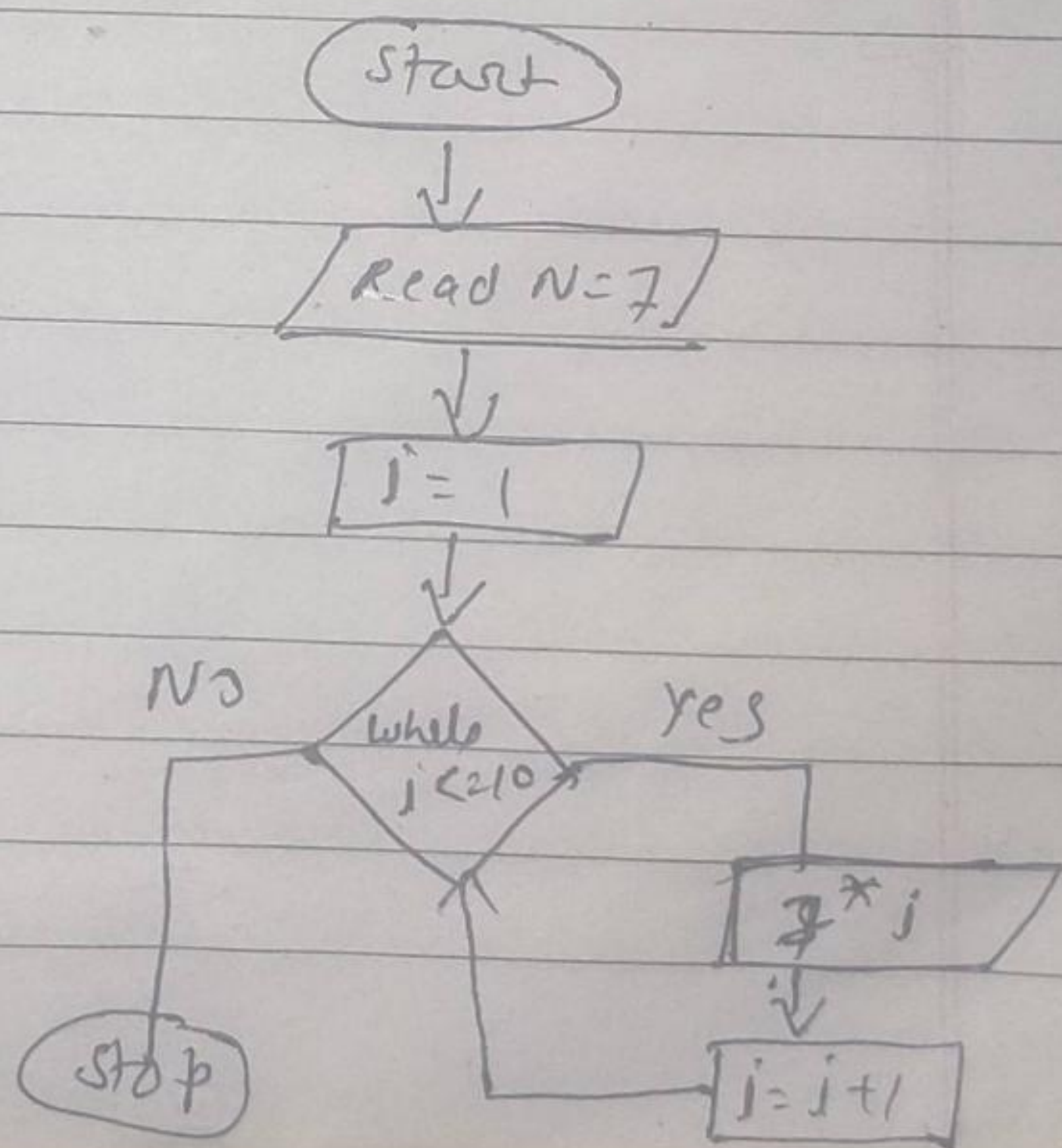
6) Check if the given number is prime or not

Start
 Read $a, num, c = 0$
~~if $num \neq 0$~~ if $num \% a == 0$
 $c = c + 1$
 if $c = 2$ display Prime if not display is not Prime
 Stop



9) Print table of any Number N (say 7)

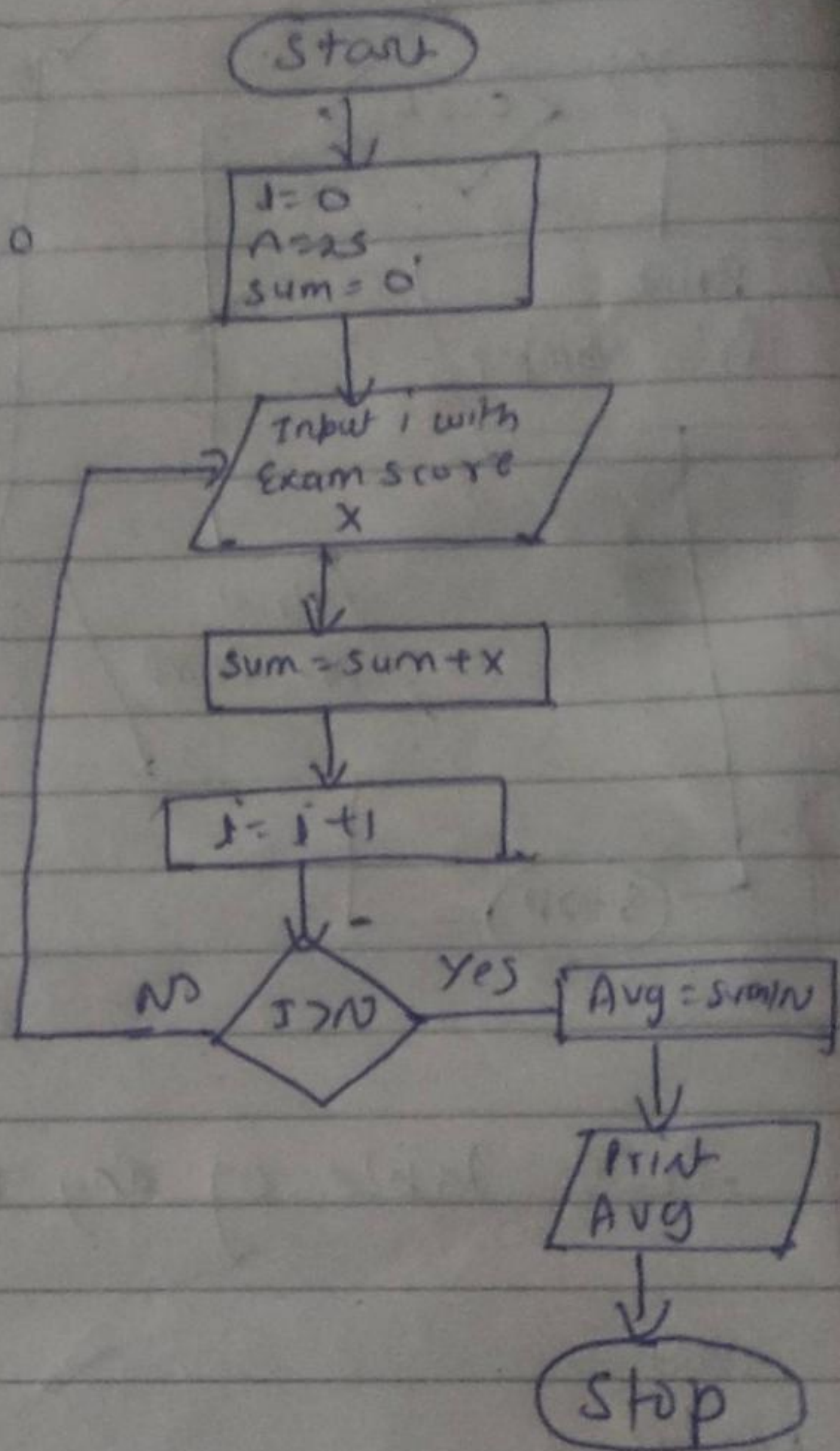
start
 Read N = 7
 i = 1
 while (i <= 10)
 $5 * i$
 increment of i
 stop



c) calculate avg of 25 test score

~~Start~~
~~Read $\text{sum} = 0, c = 0$~~
~~100~~

Start
Read $i = 1, n = 25, \text{sum} = 0$
 i is exam score X
 $\text{sum} = \text{sum} + X$
 $i = i + 1$
 $\text{Avg} = \text{sum} / n$
Print Avg
Stop



c) calculate avg of 25 test score

~~Start~~
~~Read $\text{sum} = 0, n = 25$~~
 ~~$i = 1$~~

Start
Read $i = 1, n = 25, \text{sum} = 0$
 i is exam score X
 $\text{sum} = \text{sum} + X$
 $i = i + 1$
 $\text{Avg} = \text{sum} / n$
Print Avg
Stop

