Assignment No. 2.

Q Print even number beth 0, to 99

Algorithm

Step 1 : start

Step 2 : I = 1

Step 3 : If (I > 99) Then
Go to step 7
End If

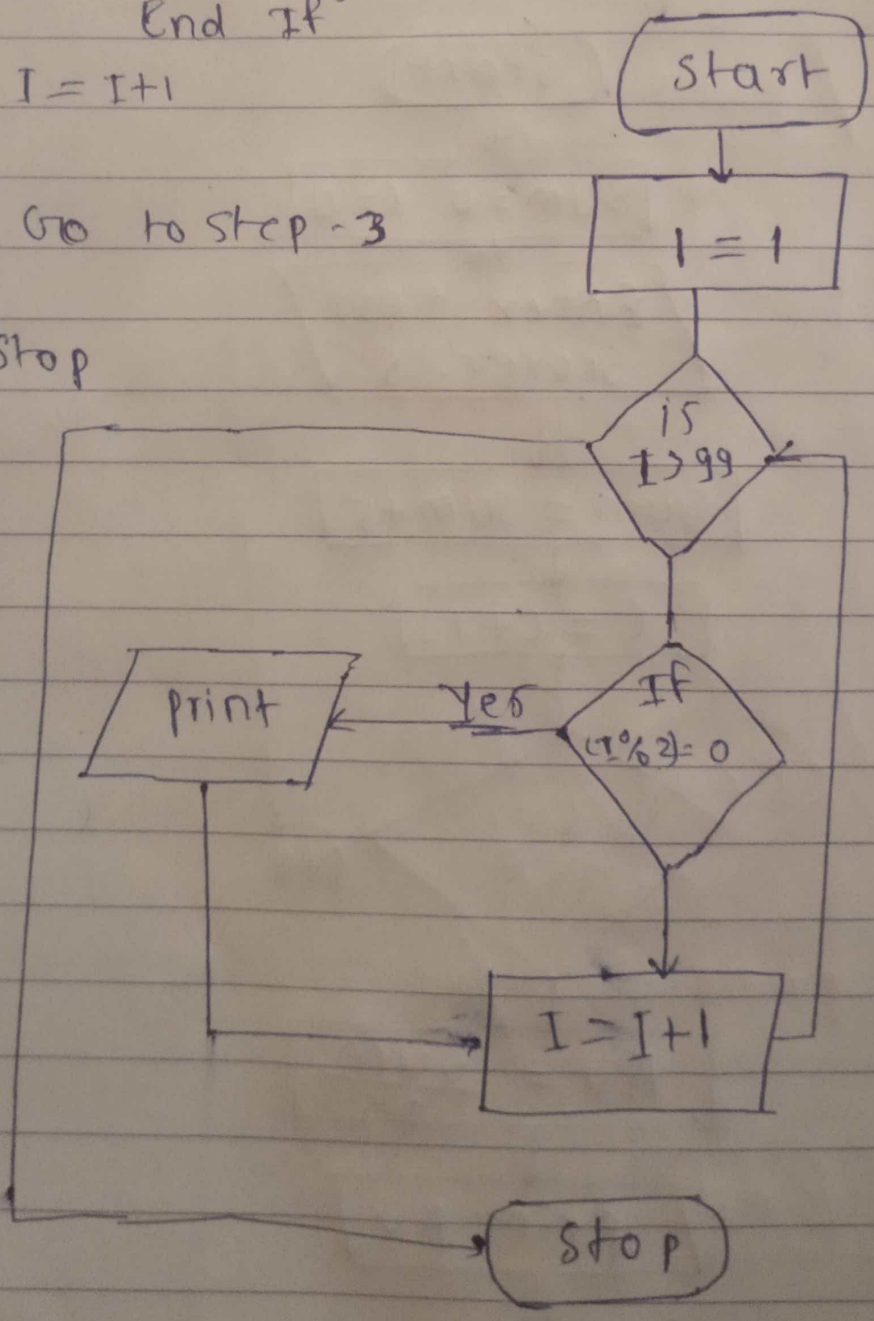
Step 4 : If (I % 2) = 0 then
Display I
End If

Step 5 : I = I+1

Step 6 : Go to step - 3

step 7 : Stop

Flow chart



c. Calculate the average of 25 test scores.

Step 1 → : Start

Step 2 → : declare sum = 0, count c = 0.

Step 3 : enter the test score. s

Step 4 : sum ← sum + s

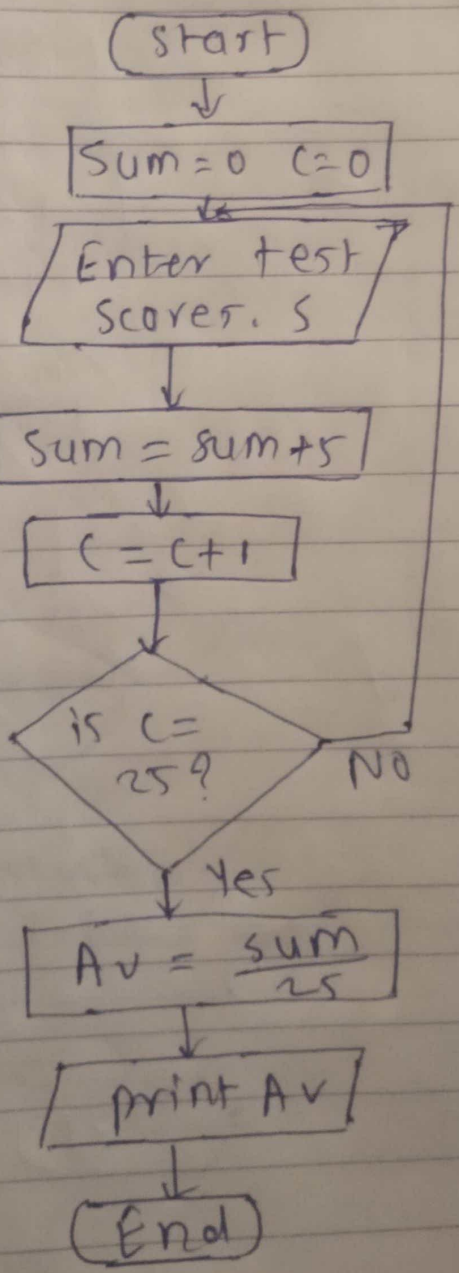
Step 5 : c ← c + 1

Step 6 : If (c ← 25) No - goto Step 3.
Yes

Step 7 : Av = sum/25

Step 8 : Print Av.

Step 9 : End.



b. Print ~~even~~ odd number less than a given number It should also calculate their sum & count

Sum = S Count ← W

Algorithm

step 1 ~~start~~ :- start

step 2 : Read N ~~num~~

step 3 : declare ~~sum~~ S ← 0,
W ← 0, & I ← 1

step 4 : print I

step 5 : S ← S+I

step 6 : W ← W+1

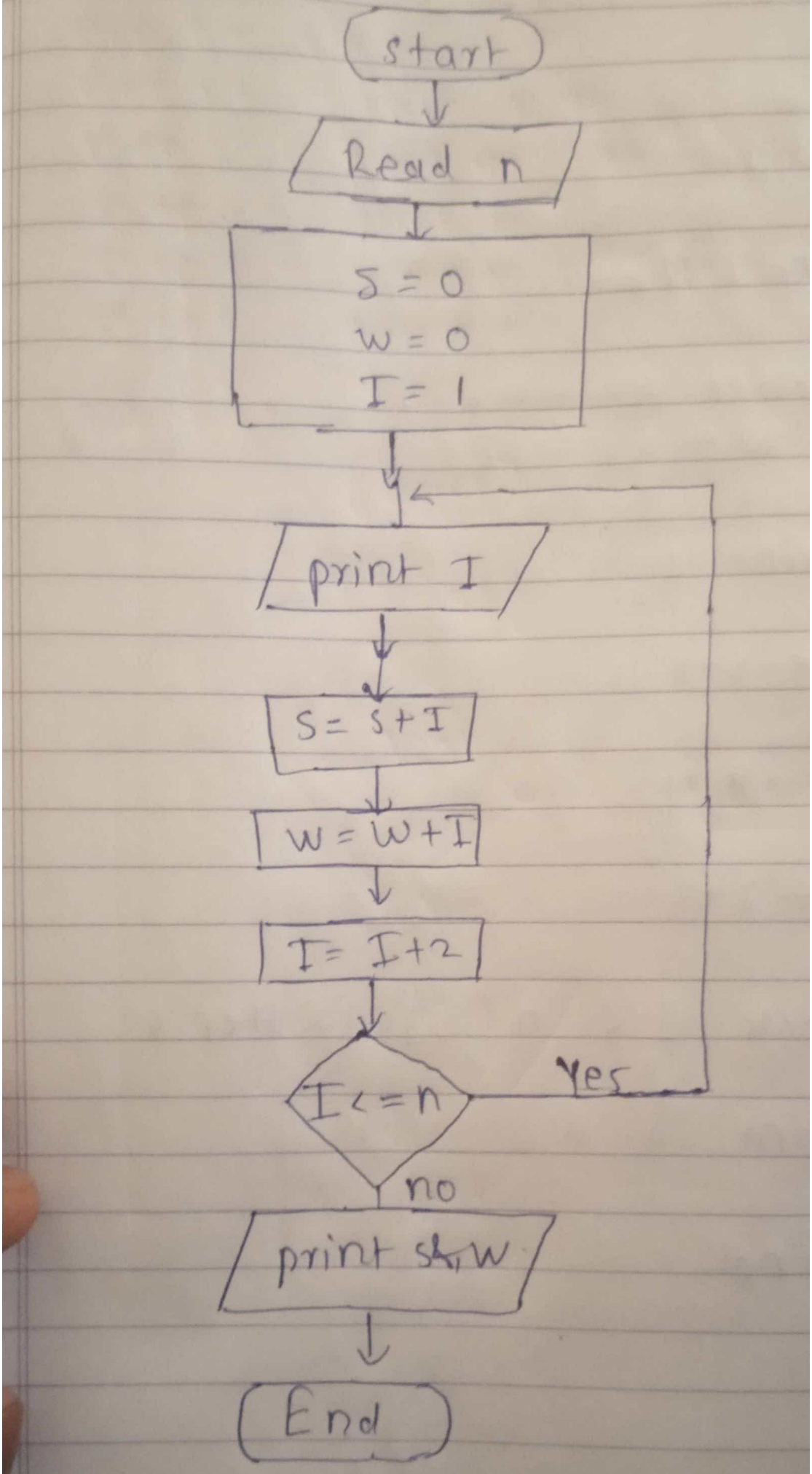
step 7 : I ← I+2

step 8 : Check I <= n go to step 4

step 9 : print S, W.

step 10 : End.

Flowchart of



Check if the given number prime or not

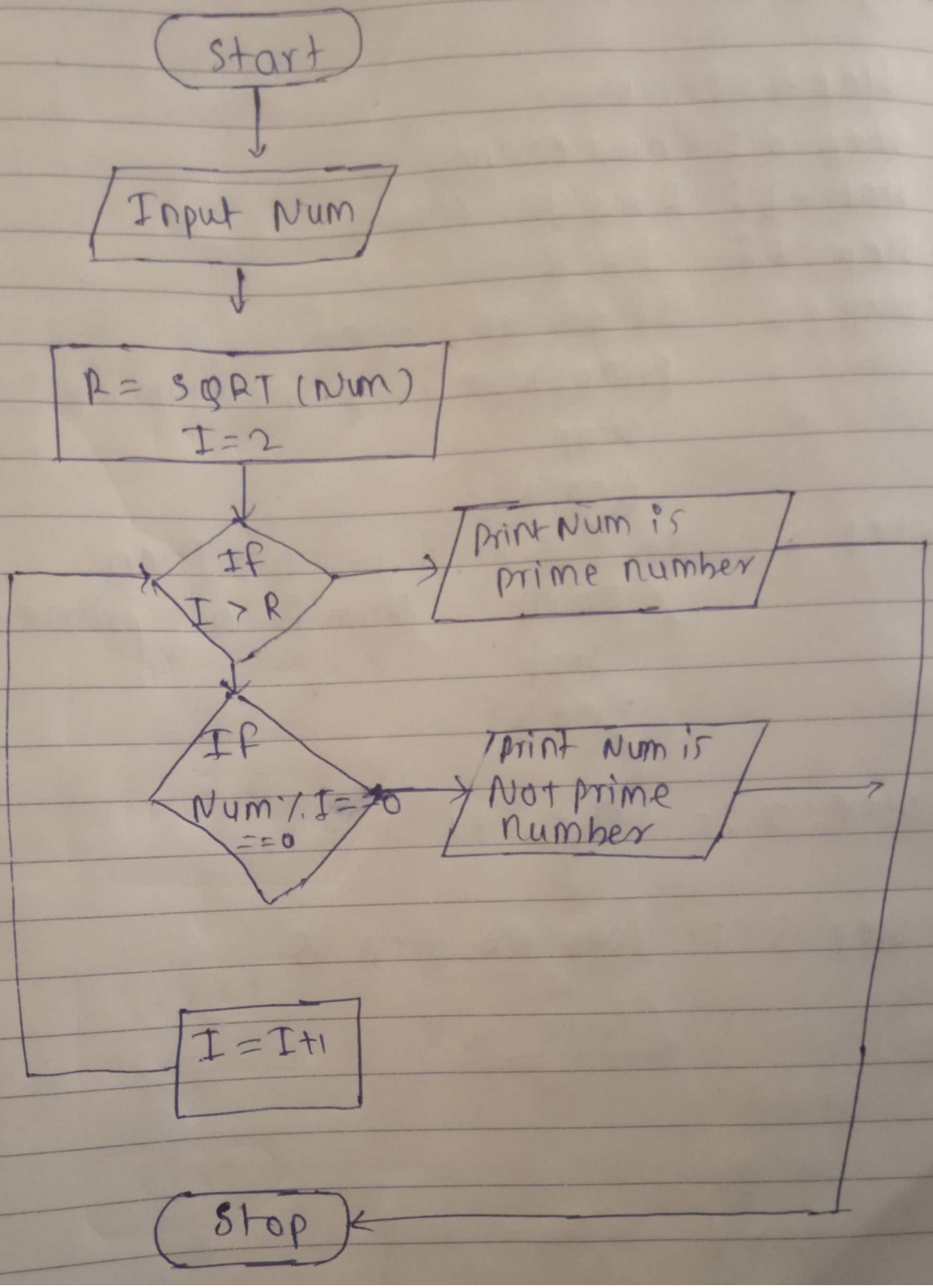
Algorithm

Step-1 :- Start
Step-2 : Input (Num)
Step-3 : R = SQRT (Num).
Step-4 : I = 2
Step 5 : If (I > R) then
Print "Num is prime number"
Stop
End If
Step 6 : If (Num % I == 0) Then
print " Num is not prime number"
Stop
End If

Step 7 :- I = I + 1

Step 8 :- Go to Step 5

Flow chart

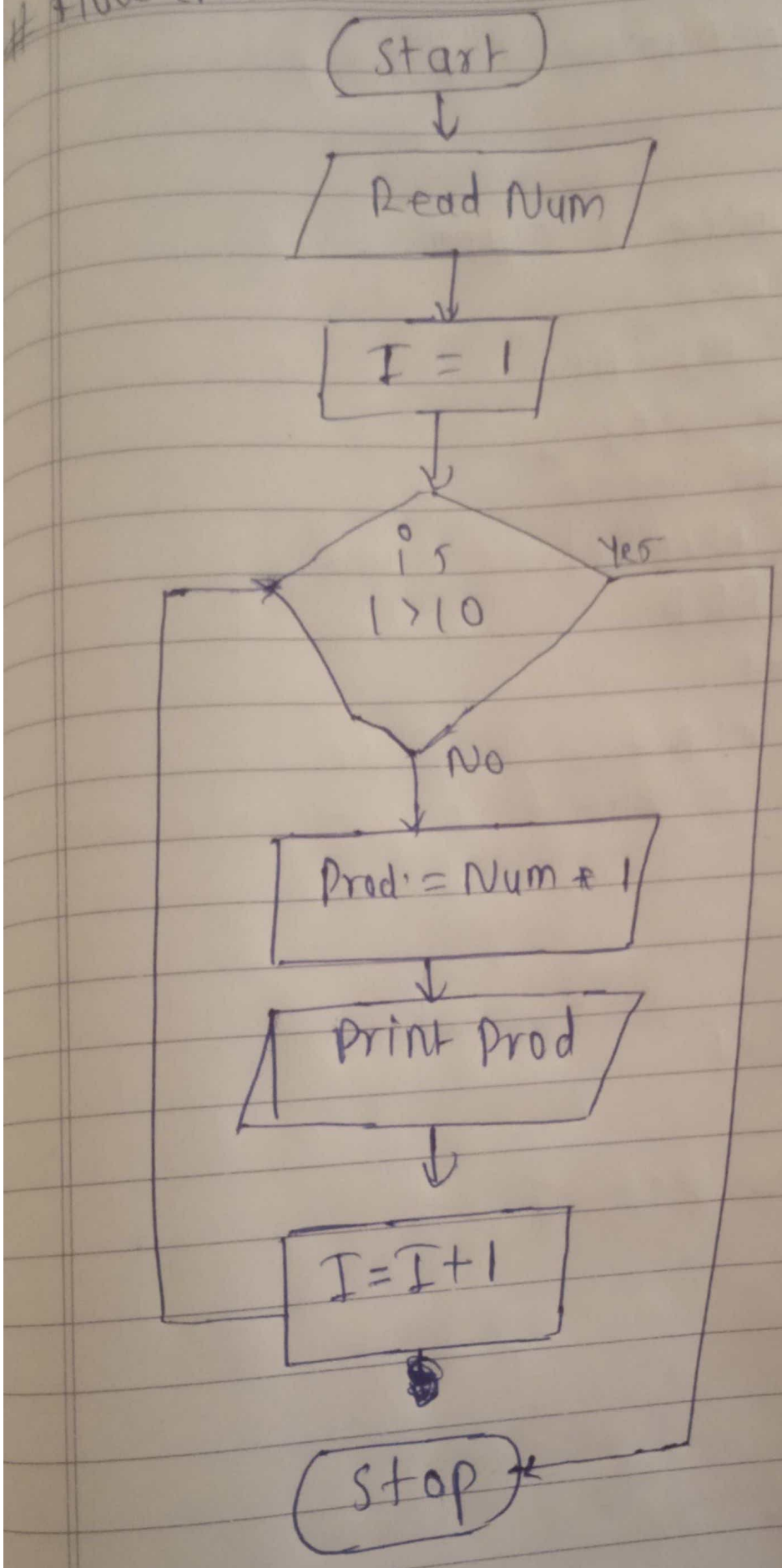

Start
Input Num
R = SQRT (Num)
I = 2
If
I > R
Print Num is prime number
If
Num % I == 0
Print Num is Not prime Number
I = I + 1
Stop

e. Print table of a number.

Algorithm

Step 1 :- Start
Step 2 :- Input value of Num
Step 3 :- I = 1
Step 4 :- If (I > 10) Then
Go to step 9
End If
Step 5 :- PROD = Num * I
Step 6 :- print PROD
Step 7 :- I = I + 1
Step 8 :- Go to step 4
Step 9 :- stop

flow chart



f Print odd number backward 99 to 0.

Algorithm

Step 1 – start
step 2 - declare N=99
step 3 - Ps (N ≠1) No → then goto step 6
step 4 - print N
step 5 - N = N-2 then go to step 3
step 6 - End

Flow chart