

# Assignment - 2

Print even number between 0 to 99

Algorithm . 1 Start

2)  $I = 1$

3. IF ( $I > 99$ ) then end IF

4. IF ( $(I \% 2) = 0$ ) then

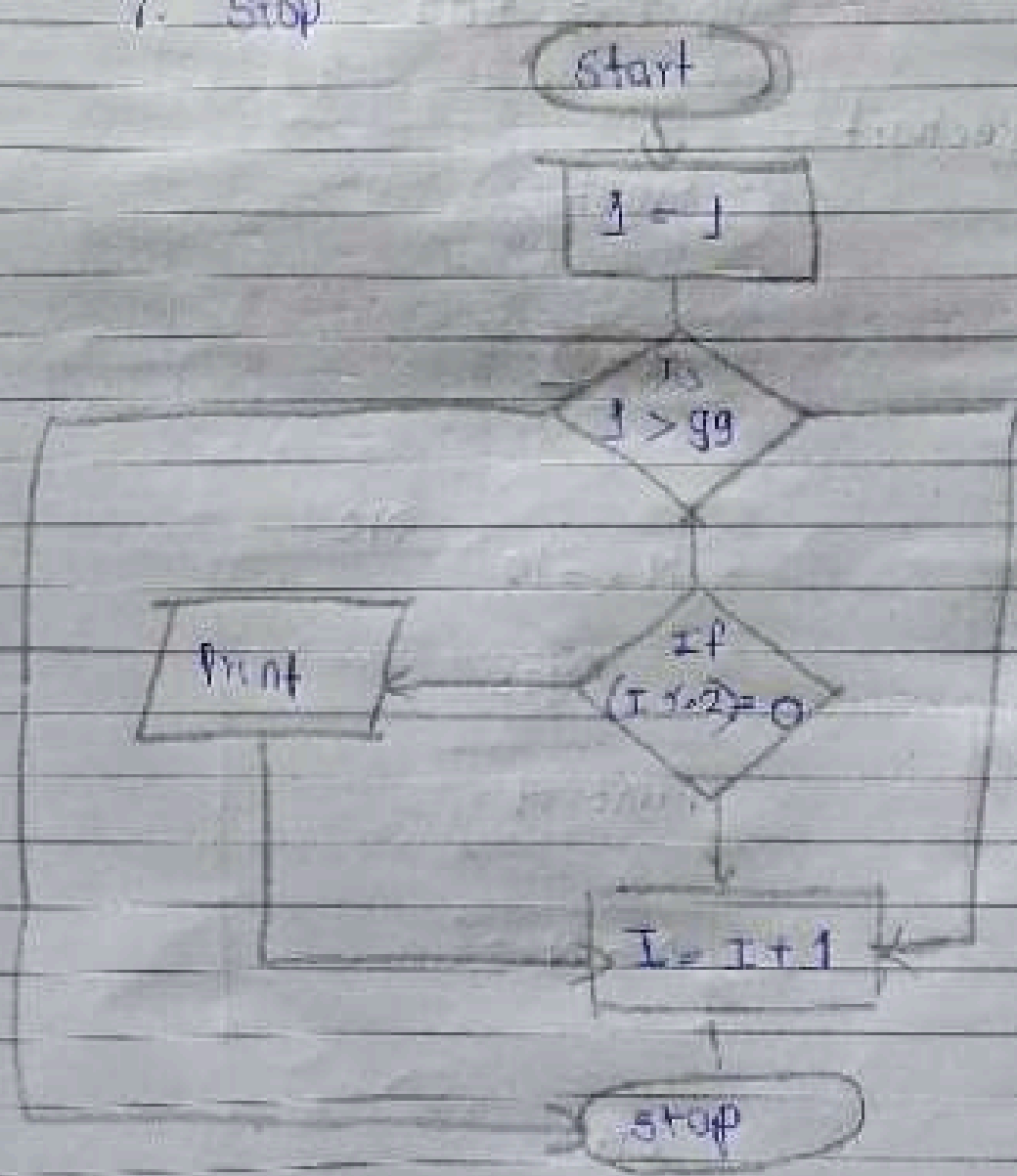
Display I

end IF

5.  $I = I + 1$

6. Go to Step 3

7. Stop





Print odd number less than a given number. It should also calculate their sum and count.

### Algorithm.

Step 1 - Start

Step 2 - Read  $N$

Step 3 - declare  $i \leftarrow 0$

$w \leftarrow 0$ ,  $\& I \leftarrow 1$

Step 4 - print  $I$

Step 5 -  $S \leftarrow S + I$

Step 6 -  $w \leftarrow w + 1$

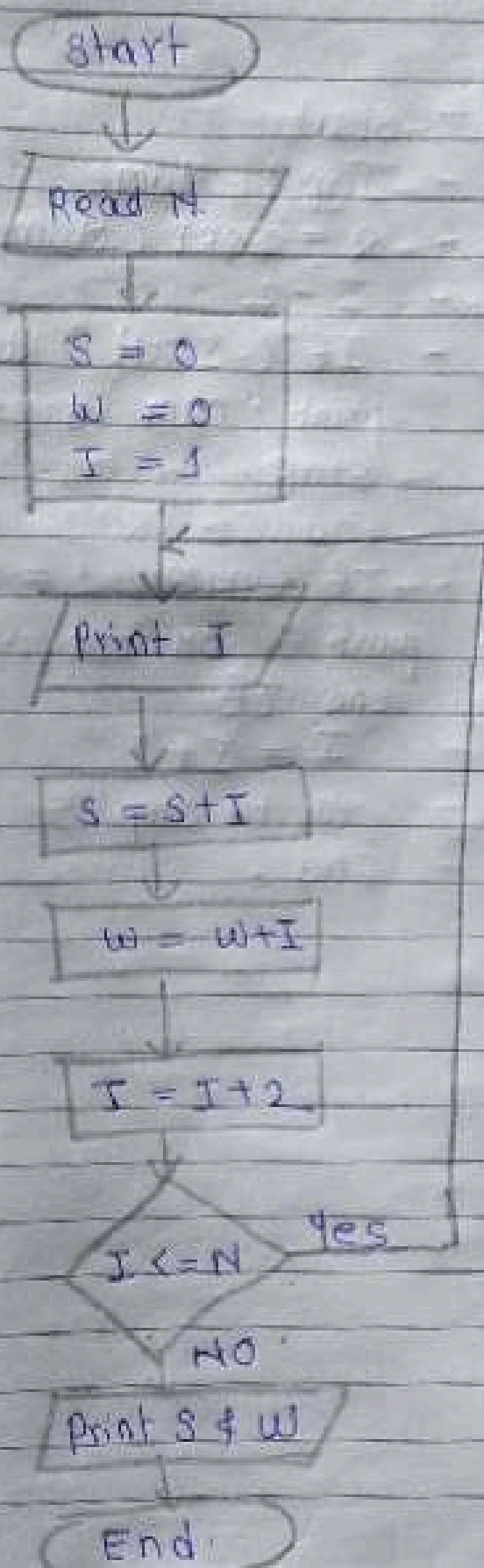
Step 7 -  $I \leftarrow I + 2$

Step 8 - Check  $I \leq N$ , go to step 4

Step 9 - print  $S$   $w$

Step 10 - End

# Flowchart



Check if given number prime or not

Algorithm -

- Step 1 - Start
- Step 2 - Input, Num
- Step 3 -  $R = \text{SQRT}(\text{Num})$
- Step 4 -  $I = 2$
- Step 5 - If  $(I > R)$  then  
    print "num is prime number"  
    stop.  
    End If
- Step 6 - If  $(\text{num} \% I == 0)$  then  
    print "number is not prime"  
    End If
- Step 7 -  $I = I + 1$
- Step 8 - go to step 5
- Step 9 - end.

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 -  $PROD = num \times i$

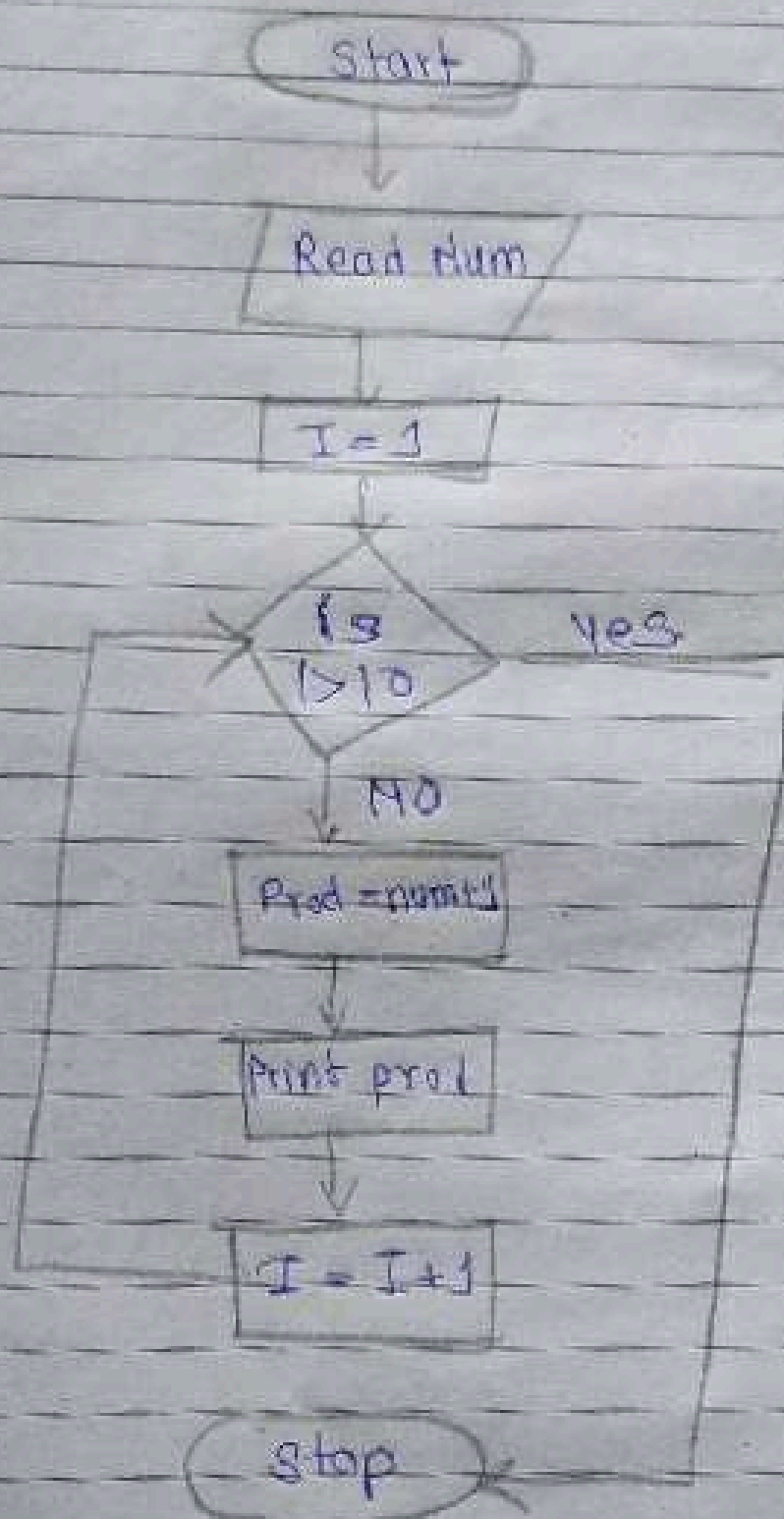
Step 6 - print PROD

Step 7 -  $i = i + 1$

Step 8 - go to step 4

Step 9 - stop

## Flowchart



Print odd number backward 99 to 0.

Algorithm -

Step 1 - Start

Step 2 - declare  $N = 99$

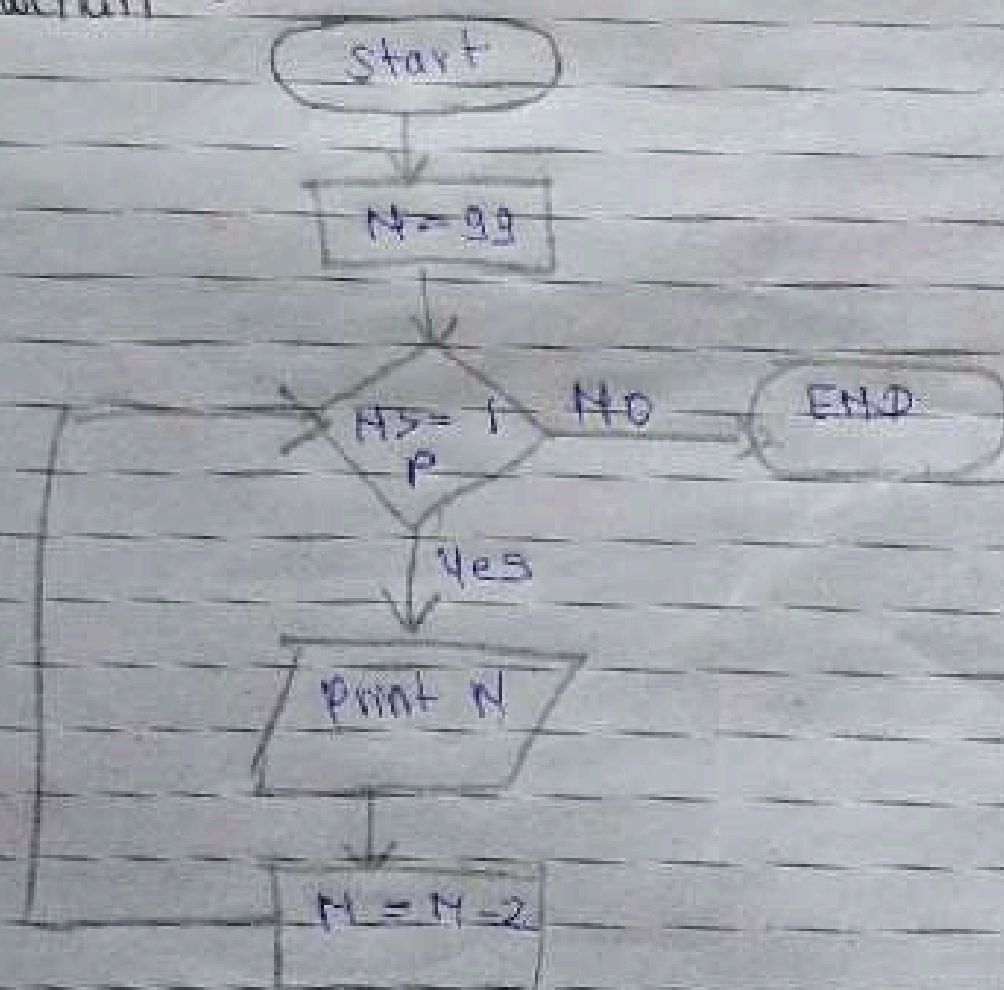
Step 3 -  $P_5(N=1)$  No then go to step 6.

Step 4 - print  $N$

Step 5 -  $N = N - 2$  then goto step 3.

Step 6 - End.

Flowchart -





Print odd number backward 99 to 0.

Algorithm -

Step 1 - Start

Step 2 - declare  $N = 99$

Step 3 -  $P_5(N=1)$  No then go to step 6.

Step 4 - print  $N$

Step 5 -  $N = N - 2$  then goto step 3.

Step 6 - End.

Flowchart -

