

Assignment 2:

1) Write the algorithm and draw the flowchart for the following.

i) print even numbers between 0 to 99.

step 1 : start

Step 2: declare variable $i = 0$

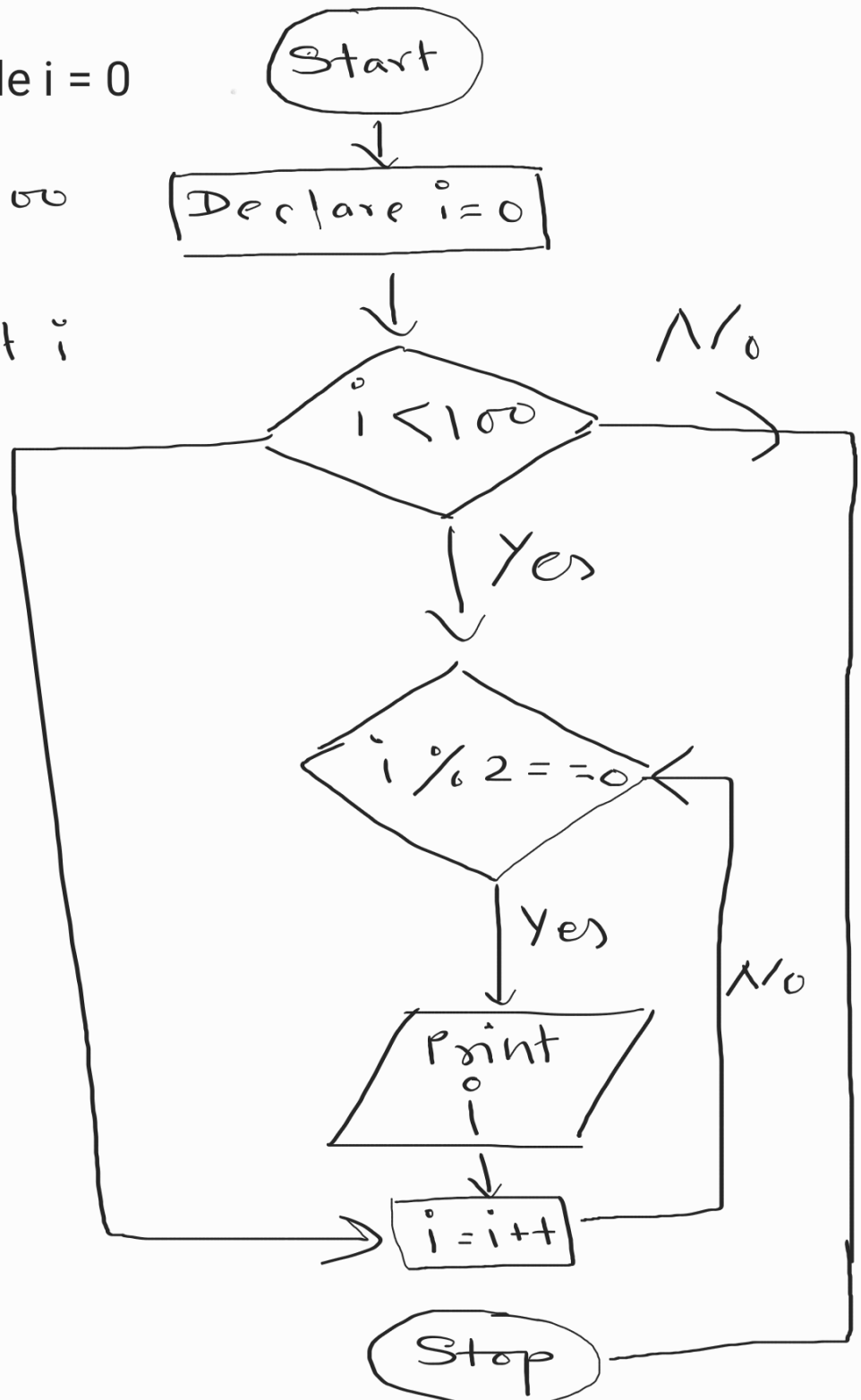
Step 3: while $i < 100$

Step 4: if $i \% 2 == 0$

Step 5: print i .

Step 6: increment i

Step 7 : Stop



b) Print odd no.s less than a given number. It should also calculate their sum and count

⇒ Step 1 :- Start

Step 2 :- Declare num, sum, count

Step 3 :- Read num, number)

Step 4 :- if $i \leq \text{num}$, (go to step 5

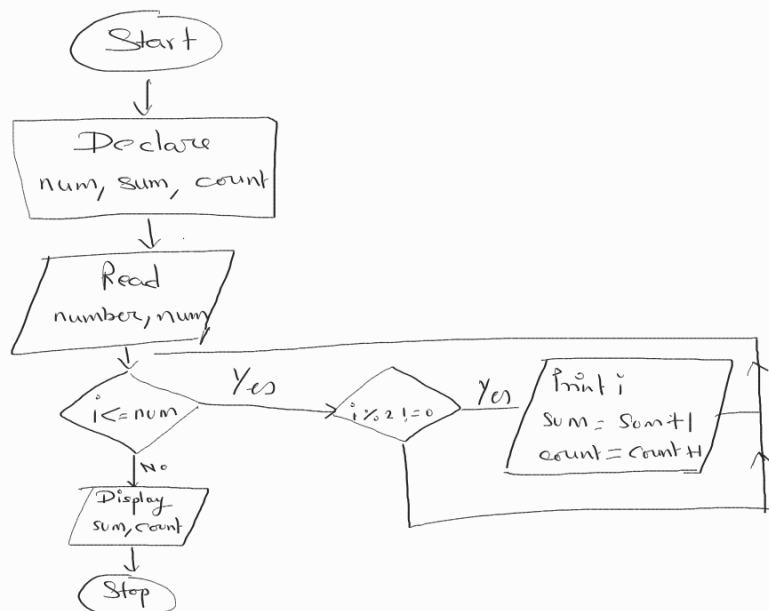
Step 5 :- if $i \% 2 \neq 0$ (go to step 6)

Step 6 :- Print i

Step 7 :- Print $\text{sum} = \text{sum} + 1$

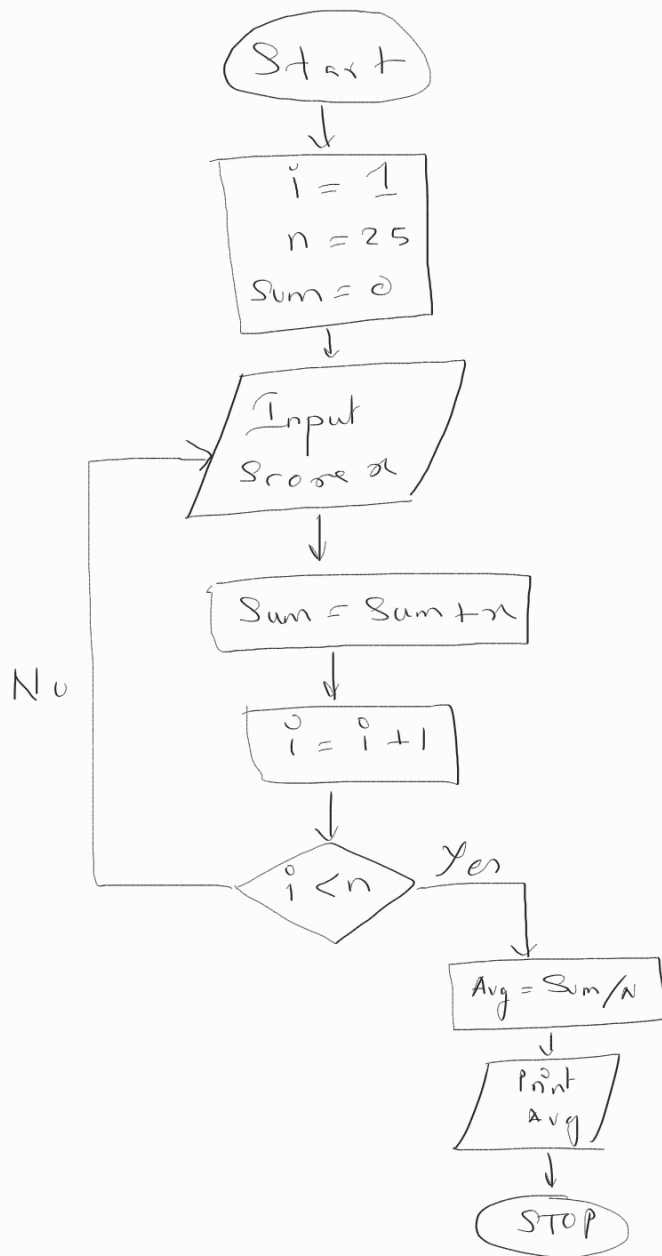
Step 8 :- Print $\text{count} = \text{count} + 1$

Step 9 :- Stop.



(c) Calculate the average of 25 test scores.

⇒



(d) Print table of any number N (say 7)

→ Step 1 → Start

Step 2 → Input n

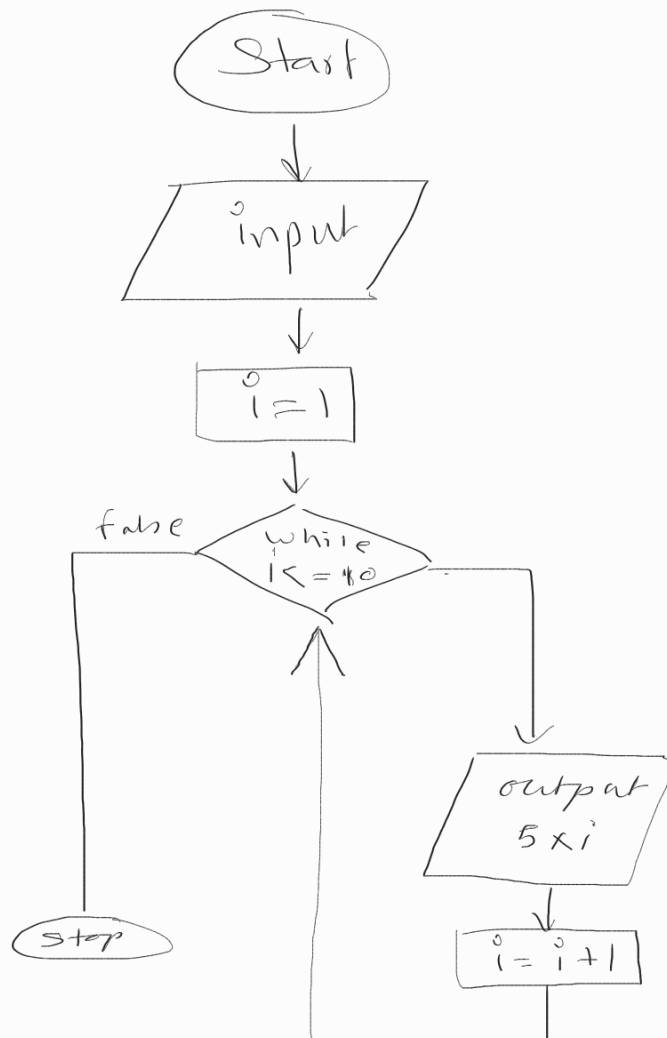
Step 3 → Declare $i = 1$

Step 4 → While $i \leq 10$, go to step 5

Step 5 → Output $n * i$

Step 6 → $i = i + 1$ goto step 4

Step 7 → Stop



(1) Print odd numbers backward

Step 1: Start

Step 2: Declare $i = 99$

Step 3: if $i \% 2 \neq 0$ goto step 4

Step 4: Print i

Step 5: $i = i - 1$

Step 6: Stop

