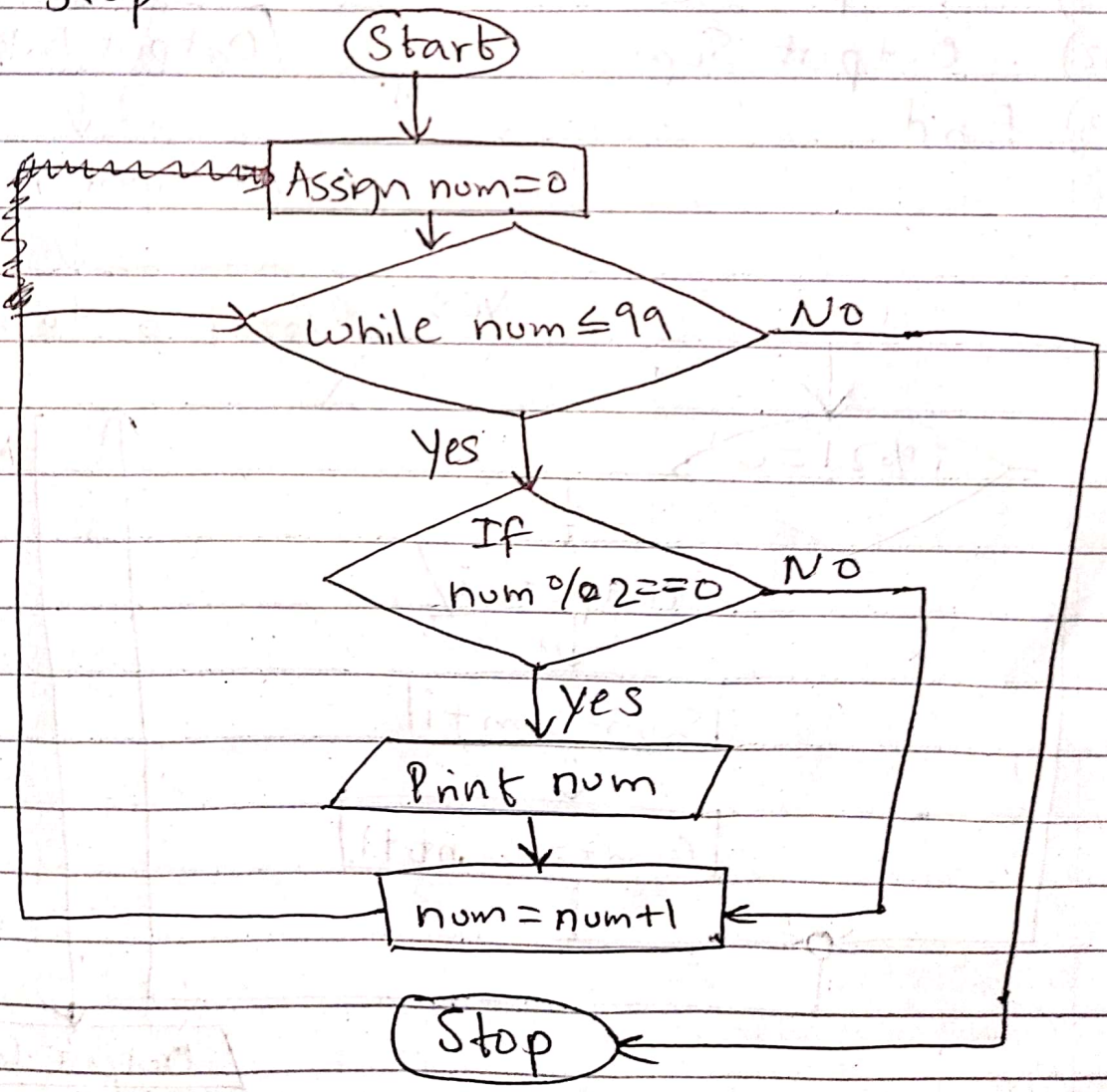
Assignment-2

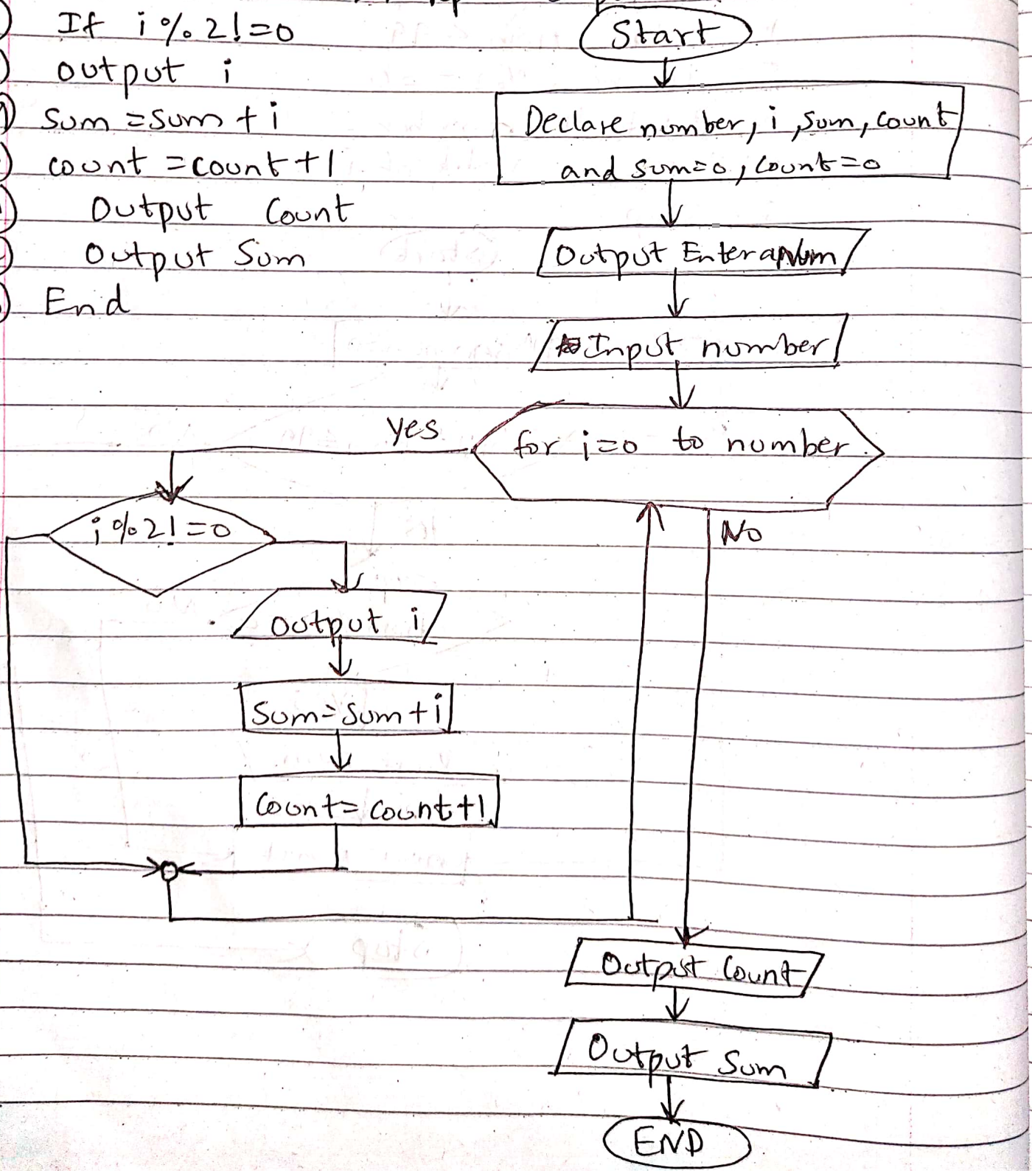
1) Even numbers from 0 to 99

Steps 1: Start
2: Declare num as int
3: Assign num=0
4: while num ≤ 99
5: if num %2==0
6: Print the number
7: Increment value of i
8: Stop



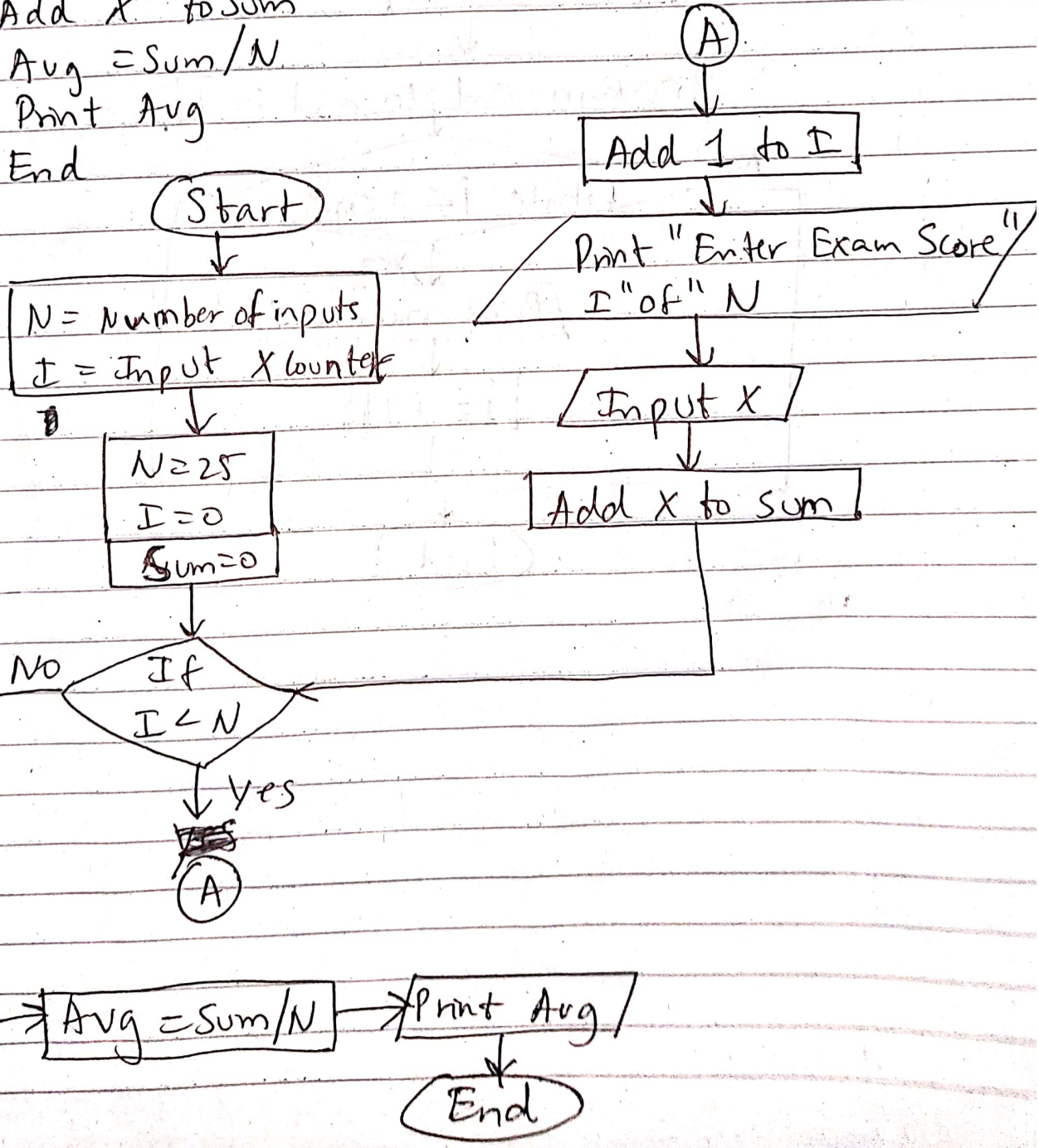
b) Odd numbers + Sum + Count

Steps:
1) Start
2) Declare variables number, i, sum, count as int.
3) Assign sum=0, Count=0
4) Print 'Enter a number'
5) Input number
6) For i=0 to number repeat steps 7 to 10
7) If i%2!=0
8) output i
9) Sum = Sum + i
10) count = count + 1
11) Output Count
12) Output Sum
13) End



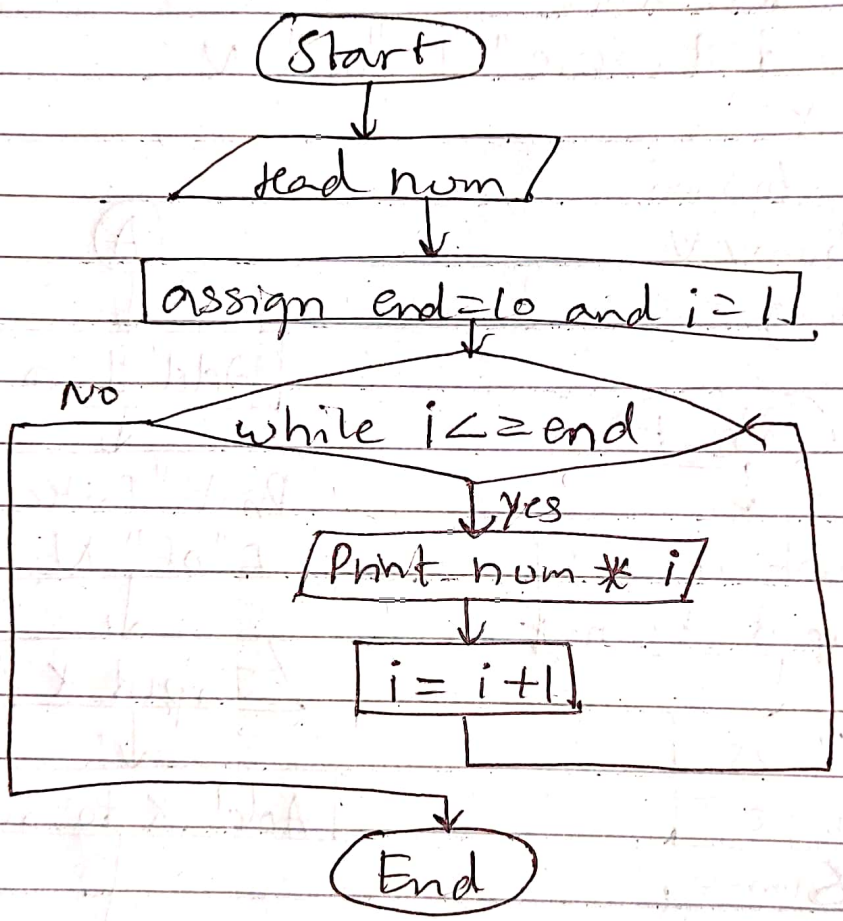
c) Avg of 25 test scores

Steps 1) Start
2) Initialize int N, I ; float X, Sum, Avg.
3) Assign N=25, I=0, Sum=0
4) While I<N repeat steps 5 to 8
5) I = I+1
6) ~~Print test score~~
6) Print "Enter test score" I "of" N
7) Input X
8) Add X to Sum
9) Avg = Sum/N
10) Print Avg
11) End



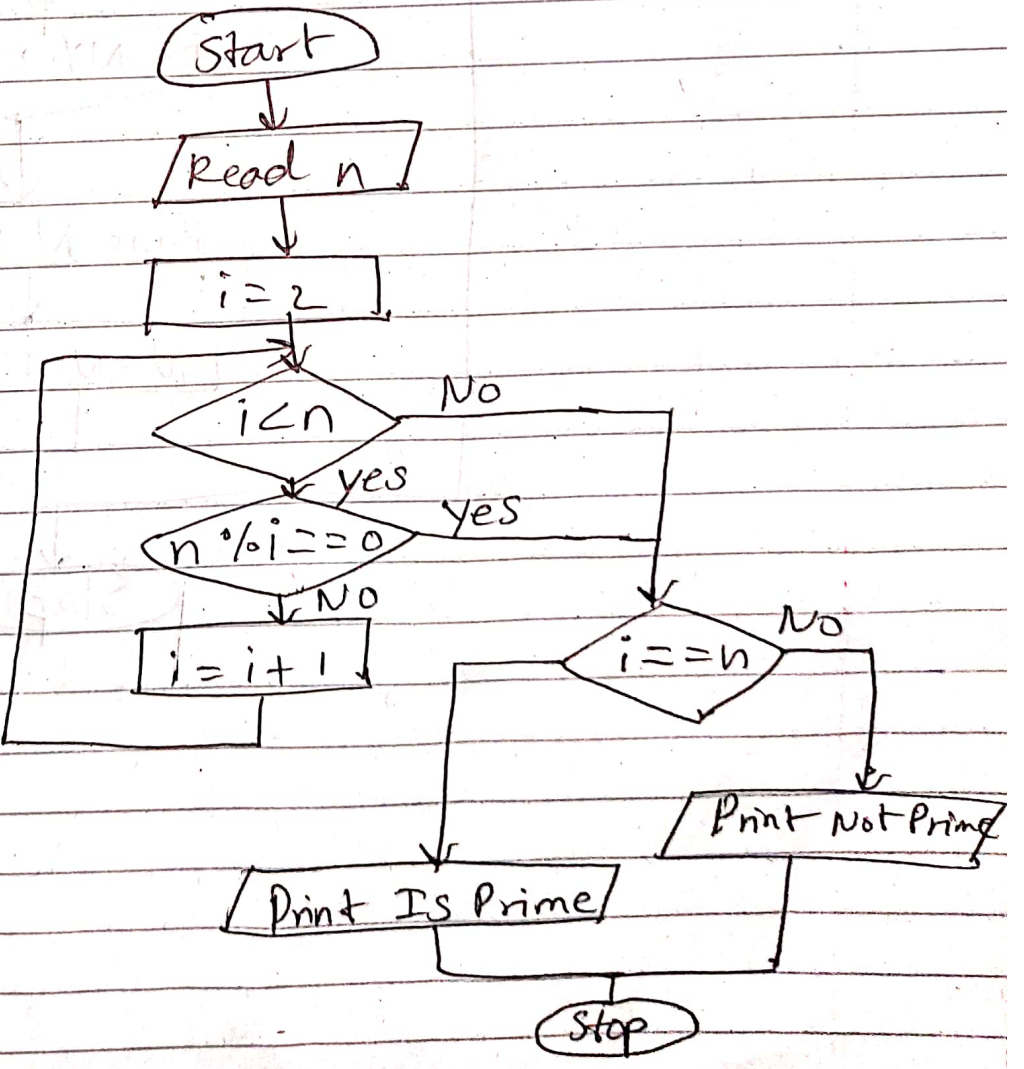
d) Print Table

Steps 1) Start
2) Input a number
3) Assign the end value "end=10"
4) Repeat from i=1 to end
5) Display table values in given format (num * i = num * i)



e) Given number is prime or not

Steps 1) Start
2) Read number n
3) ~~set i=2~~ Assign i=2
4) Repeat steps 5 and 6 until i<n
5) if n%i==0 then goto step 7
Else Goto step 6
6) i=i+1
7) if i==n then
Print (number is prime)
Else
Print "number is not prime".
8) Stop



e) odd numbers backwards 100 to 1

Steps 1) Start
2) Assign N=100, i=0
3) For N=100 to 0 repeat steps 4 to 6
4) If N%2 != 0 goto step 5
   Else goto step 6
5) Print N
6) N=N-1
7) Stop