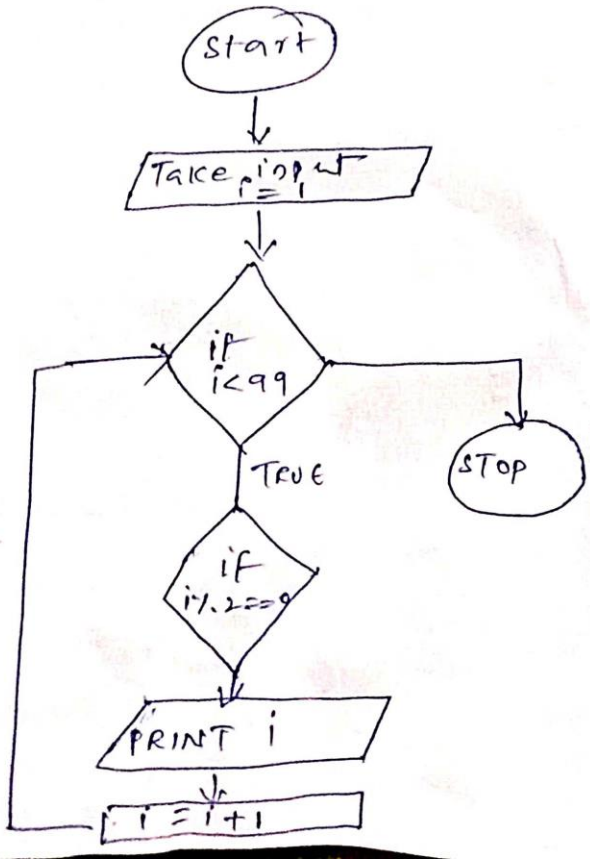
1. Write the Algorithm and draw the flowcharts for the following :
   a) Print even numbers between 0 and 99

PRINT EVEN NUMBERS BETWEEN 0 TO 99 (1)

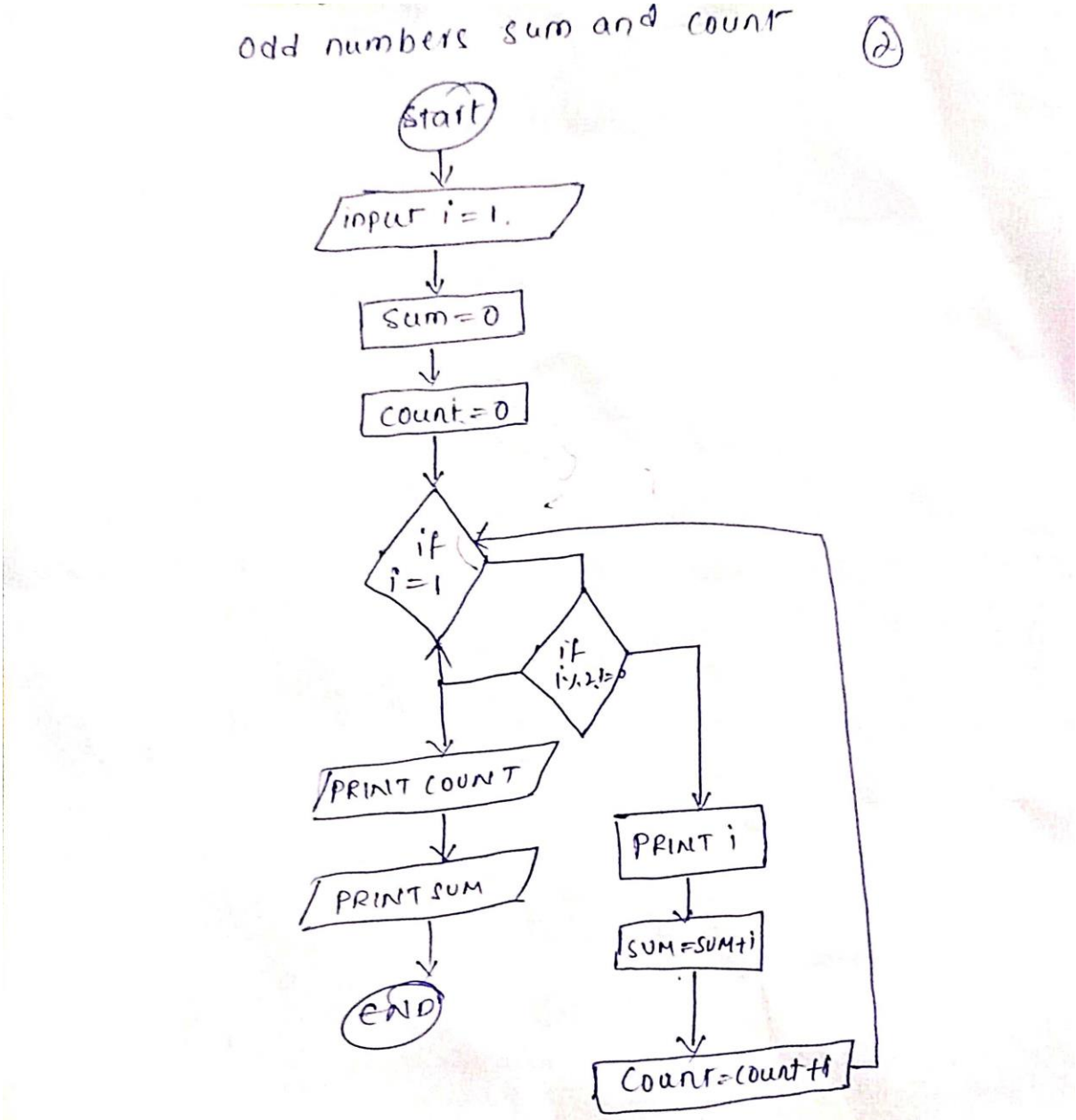
Algorithm

1. Start
2. Take i = 1
3. perform if (i<99)
4. perform if (i%2==0)
5. print (i)
6. else perform (i = i+1)
7. Repeat step 3 and step 4
8. Stop

Flow Chart



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

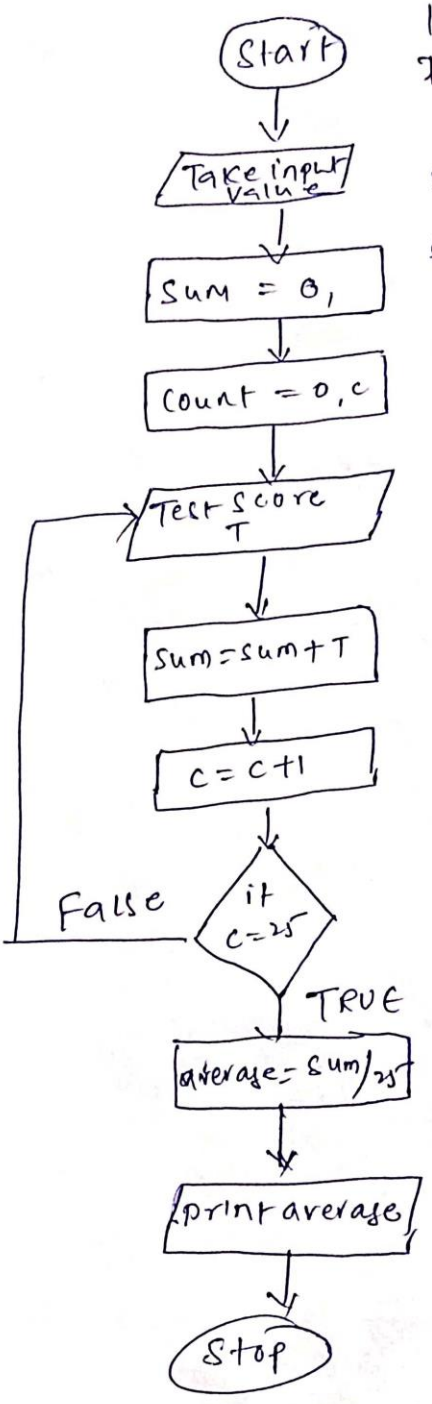


Algorithm

1. Take input values and assign sum and count values
2. process if condition if i=1 and process if i%2!=0 then print i value
3. Again take the sum and count value and repeat the and step again
4. Then print count value and print value
5. stop.

c) Calculate the average of 25 test scores.

Calculate the average ~~from~~ of 25 test score. (3)



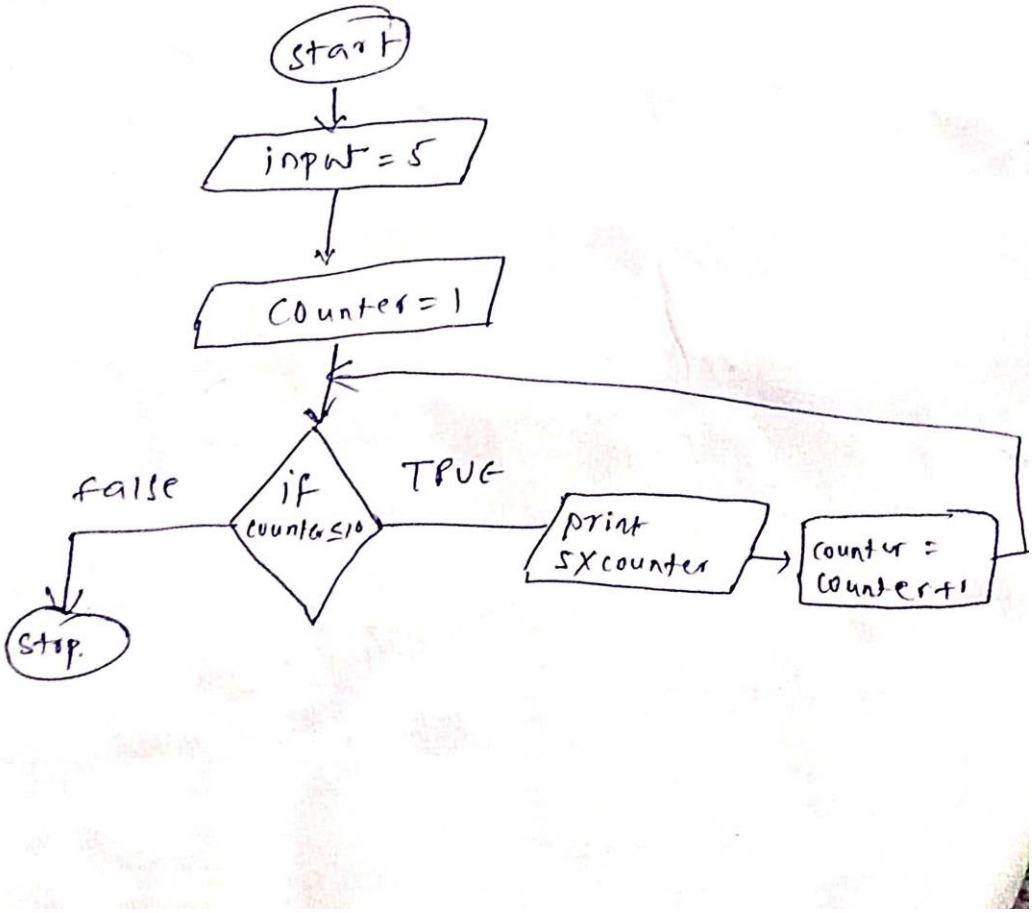
1. Start
2. Take input and assign Sum and count value
3. Assign Test score as T
4. Take the sum of the entered value as sum + Test score
5. As increase the count value as c = c + 1.
6. process if c = 25 then print average value
7. else Repeat the step from 4 until the if statement True

d) Print table of any number N (say 5)

Print table 5 (N)

1. Start
2. Take the input number as which table we need to print (likely 5)
3. Assign the variable value as i=1.
4. perform the condition as
   if counter<=10 then print (5 x counter)
5. Again increament the counter value by 1.
   as counter = counter + 1 until it satisfy the given condition
6. Stop.

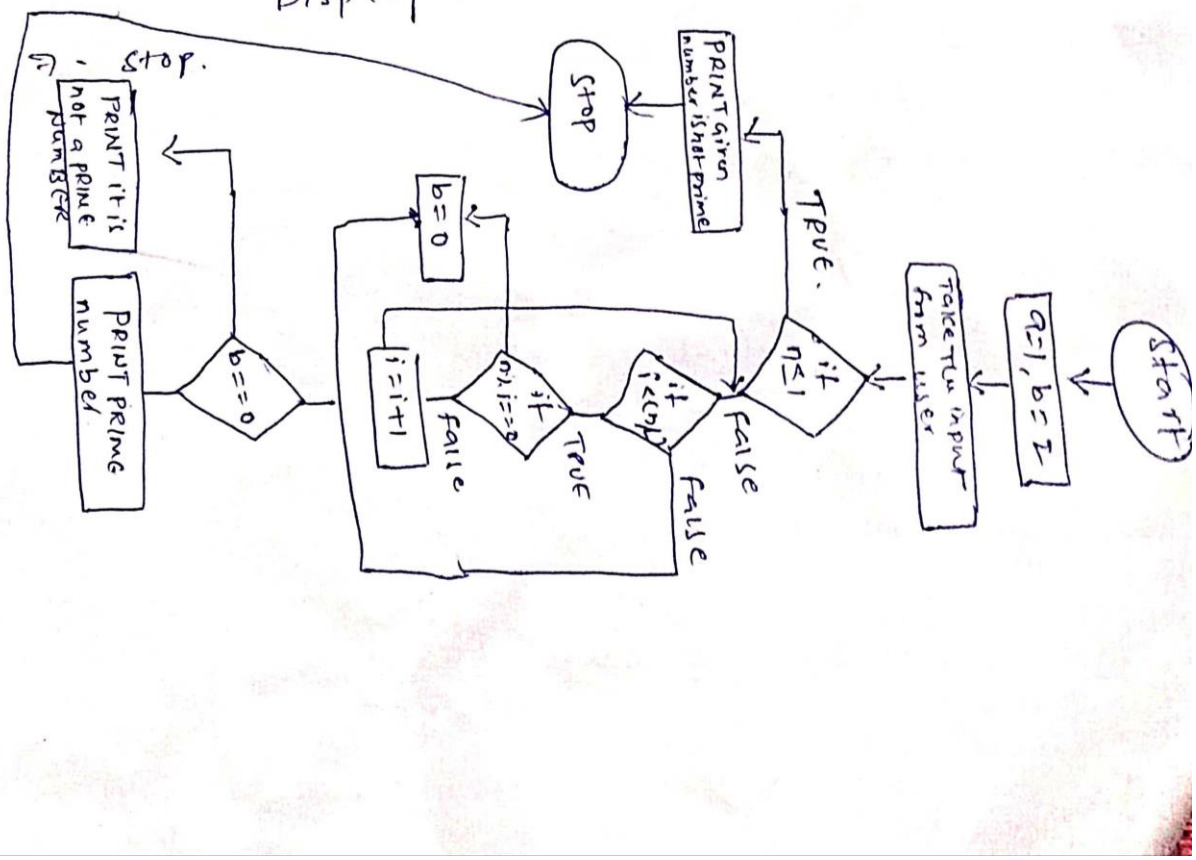
flow Chart



e) Check if the given number is Prime or not.

Algorithm for prime number. (5)

1. Start
2. Assign the variables as inputs like num, a, b a=1, b=2
3. Read the input values
4. perform the if condition if num ≤ 1
   if above condition true then print the number is not an prime number
5. if above condition false
   Repeat the statement until b<((n/2)+1)
   from above condition remainder of the given number is zero,
6. if a==0, True
   print
   ~~Display~~ The number is not prime number
   if false
   Display The number is prime number



f) Print odd numbers backward from 99 to 1

PRINT ODD NUMBER FROM 99 TO 1. (6)

-ALGORITHM

1. Start
2. Assign i = 0
3. perform the operation of the i%2!=0 until it reaches i: 99 reaches
4. if i%2!=0 if it is true
5. print i
6. perform the operations and increament the i value by 'i' as N=N+2
7. STOP.