

Assignment - 2

Step 1 - Start

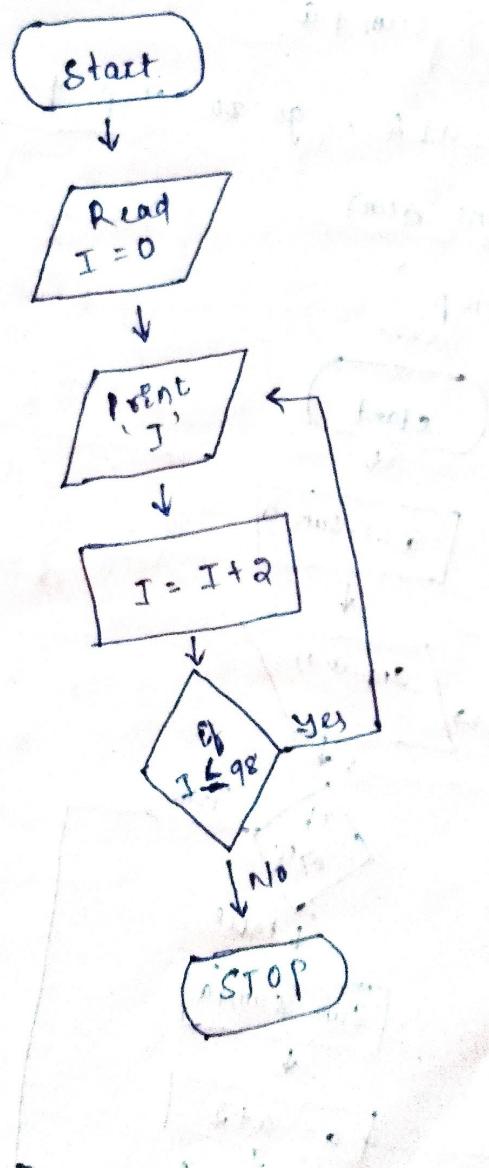
Step 2 - $I = 0$

Step 3 - Print I in standard output

Step 4 - $I = I + 2$

Step 5 - if ($I \leq 98$) Then go to Step 3

Step 6 - End



Problem Statement
Input: Print odd numbers less than a given number. It should also calculate their sum and count.

Step 1 - start

Step 2 - Let $a = 1$, $sum = 0$

Step 3 - Input n

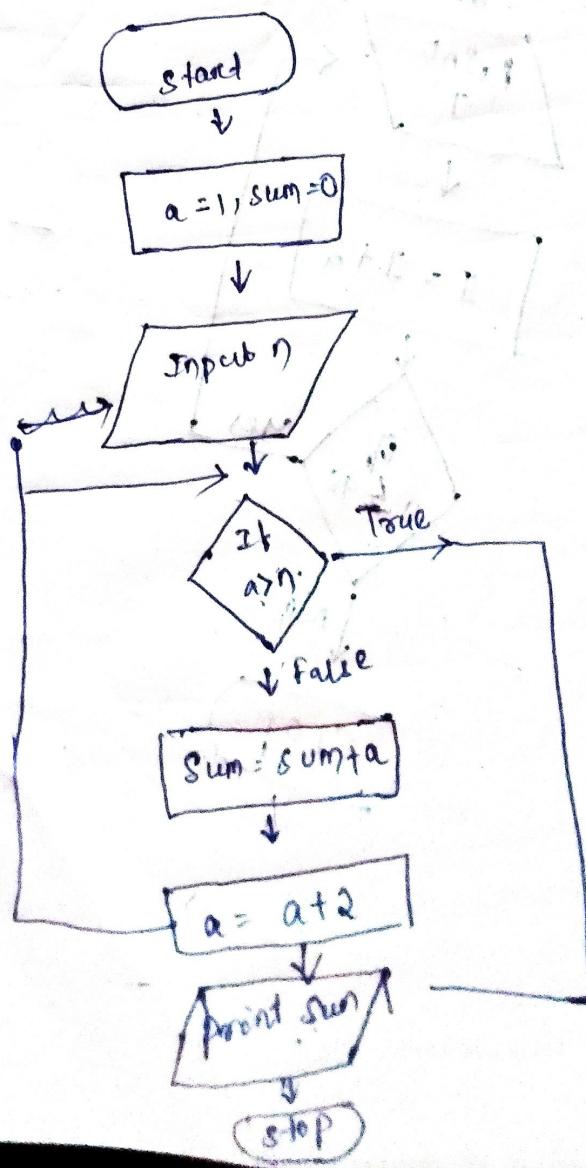
Step 4 - if $a > n$, then go to step 7

Step 5 - $sum = sum + a$

Step 6 - $a = a + 2$, go to step 4

Step 7 - print sum

Step 8 - stop



Q1) Calculate the average of 25 test

Step 1 - Start

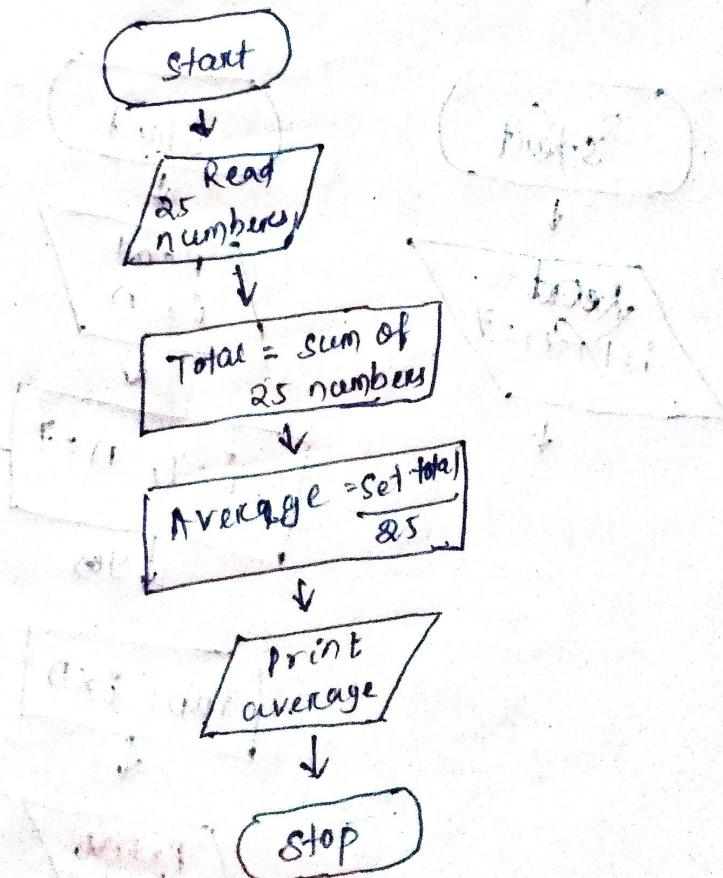
Step 2 - Read 25 numbers

Step 3 - Set total = sum of 25 numbers

Step 4 - Average = $\frac{\text{Set total}}{25}$

Step 5 - Print Average

Step 6 - Stop



→ Print table of any number N (say 7)

Step 1 = Start

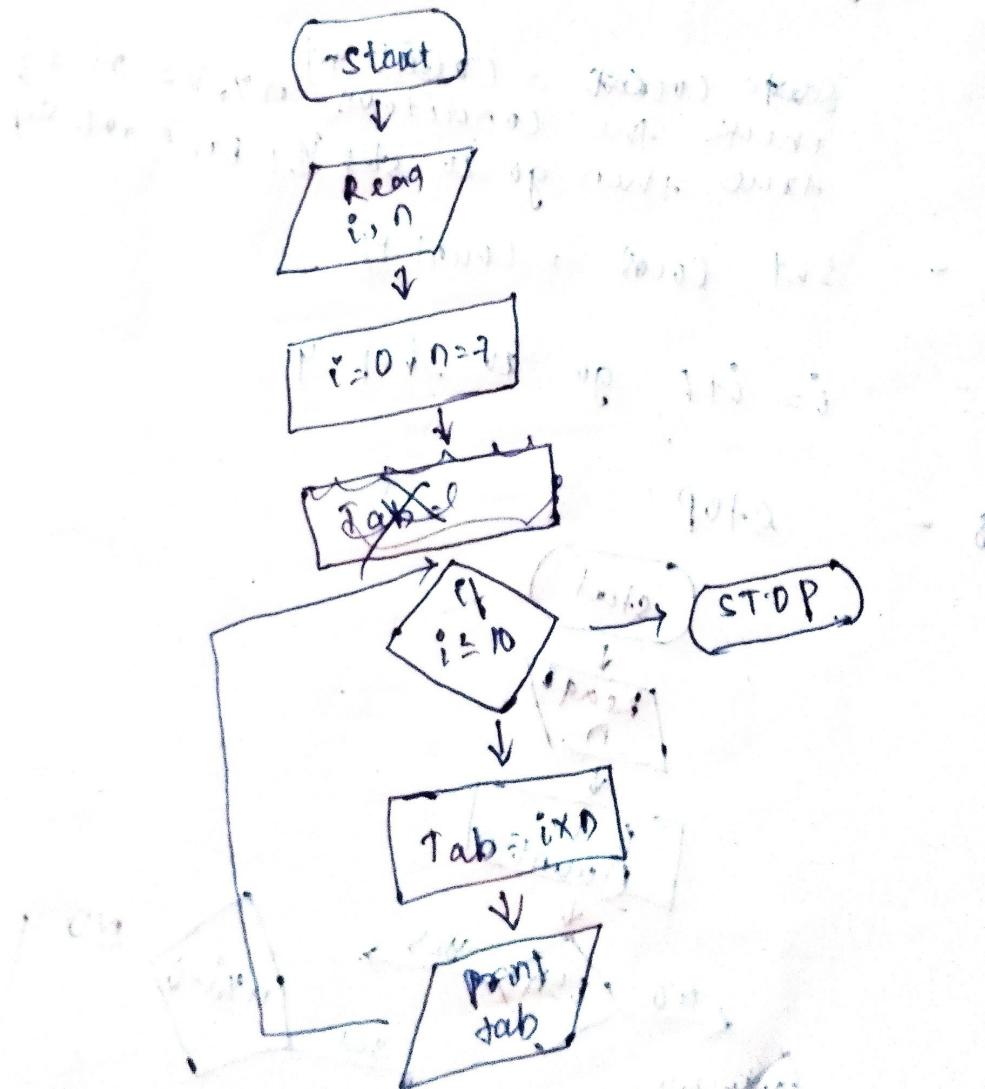
Step 2 = Read $i=1$, $N=7$

Step 3 = if ($i \leq 10$) then

Step 4 = $tab = i \times N$

Step 5 = print 'tab'

Step 6 = stop



stop

2) Check if the given number is prime

start
Step 1 - Start

Step 2 = Read number

Step 3 = Set $i=1$, $count = 0$

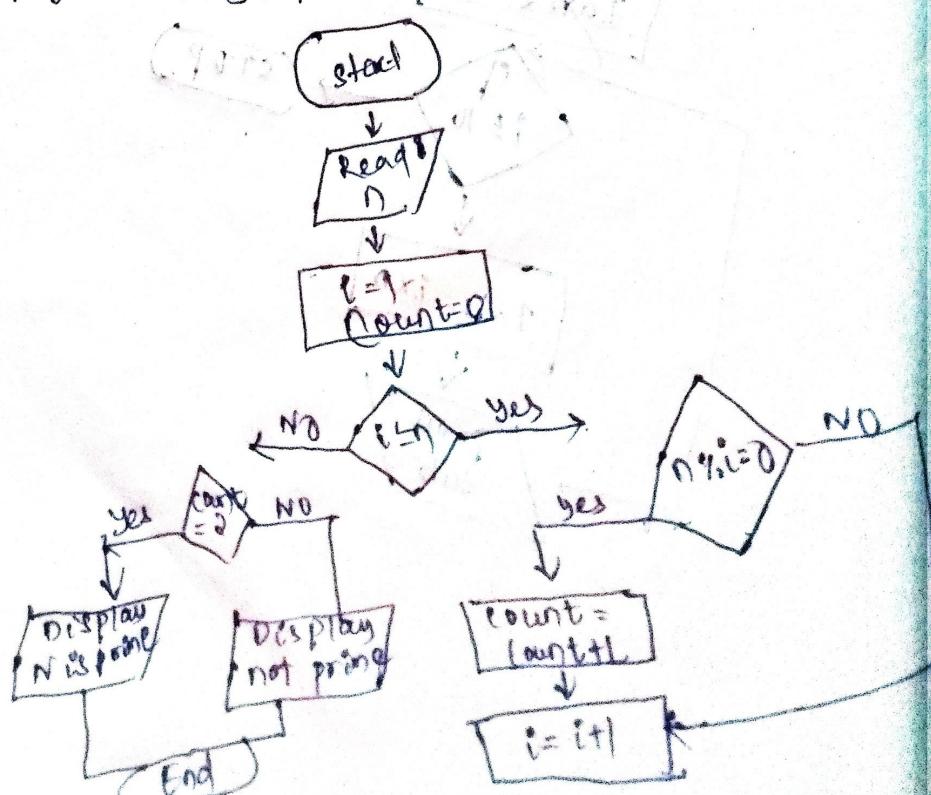
Step 4 = If $i \leq n$, if true go to step 5
go to step 8

Step 5 = ~~Set count = (0, i)~~
check the condition $n \% i = 0$
true then go to step 2, false go to

Step 6 = set $count = count + 1$

Step 7 = $i = i + 1$ go to step 4

Step 8 - Stop



> or print numbers backward from 99 to 0

Step 1 = start

Step 2 = Read i

Step 3 = $i = 99$

Step 4 = if ($i \geq 0$) then

$i = i - 1$, if false goto step 6

Step 5 = print i

Step 6 = stop

