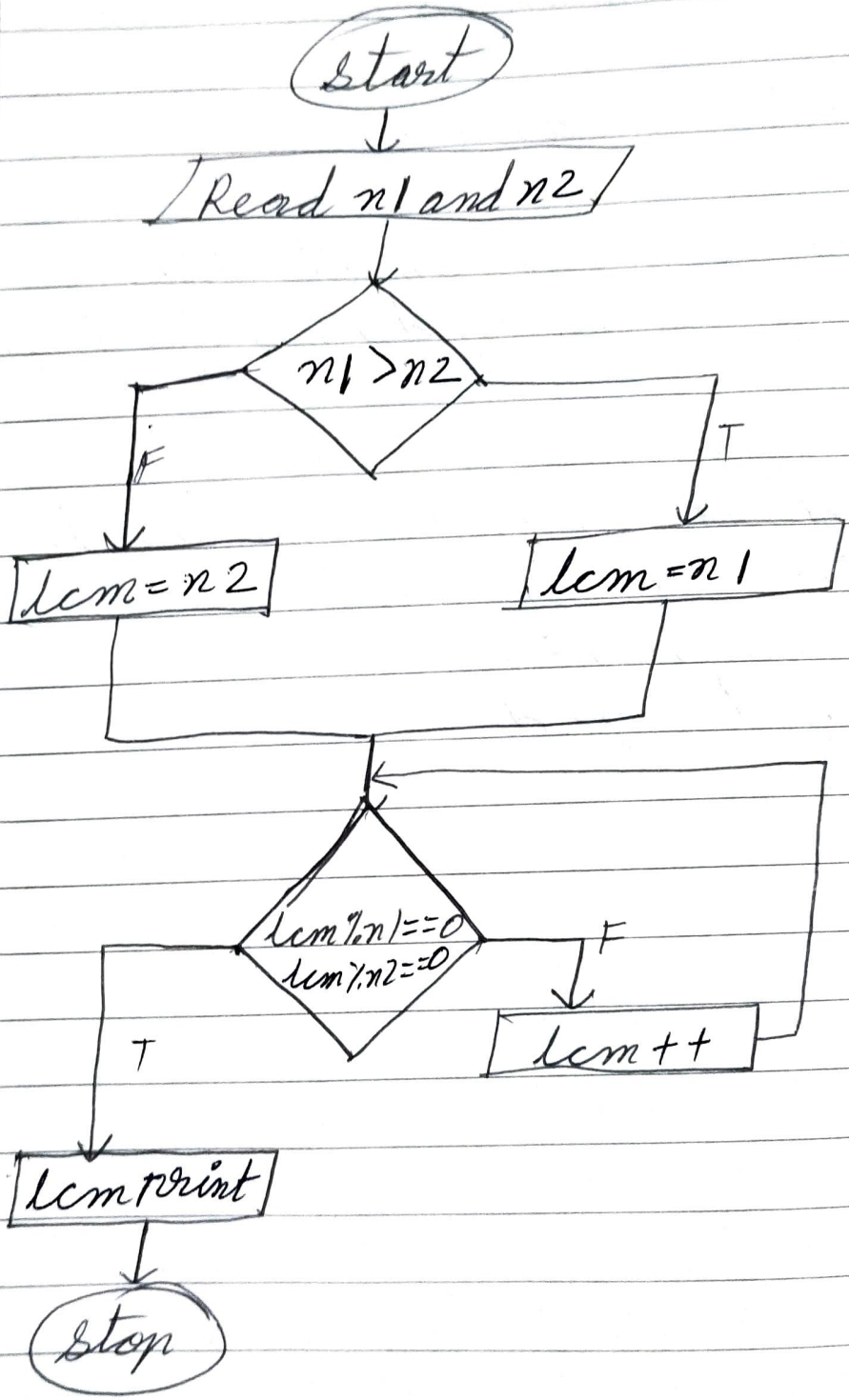
Q. 15. Program to find LCM of 2 given numbers.



Brice
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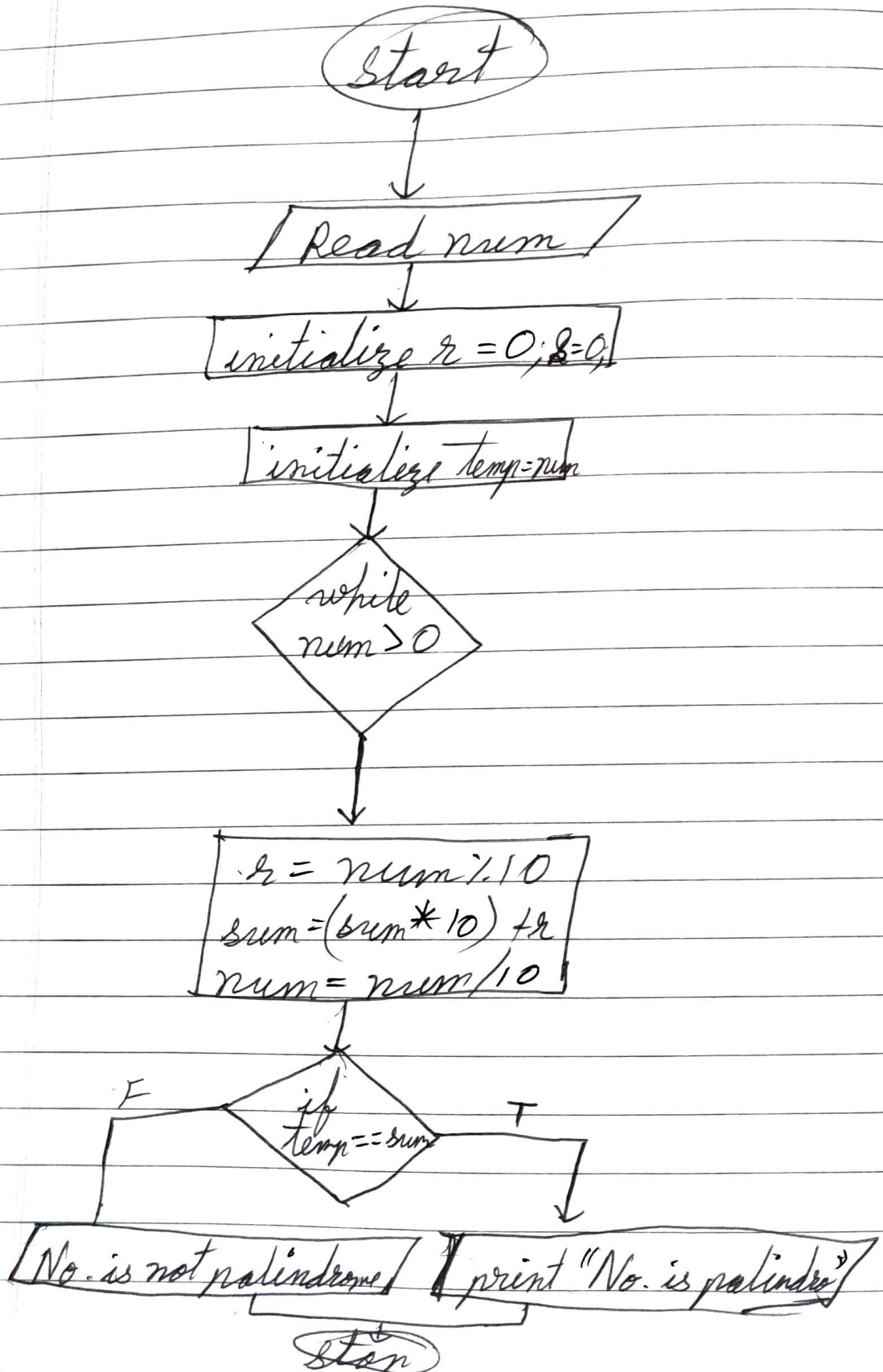
Algo

1. Start
2. Read n1 and n2
3. Check greater of n1 and n2 and store it in lcm.
4. If lcm is divisible by n1 & n2; print lcm.
5. Else increment lcm & go to step 4
6. Repeat steps 4 & 5 until lcm is found.
7. Print lcm
8. Stop

Q.16. Java program to find LCM of 2 given numbers using Prime Factorization

Q.17. Check whether the given no. is palindrome or not

F/C



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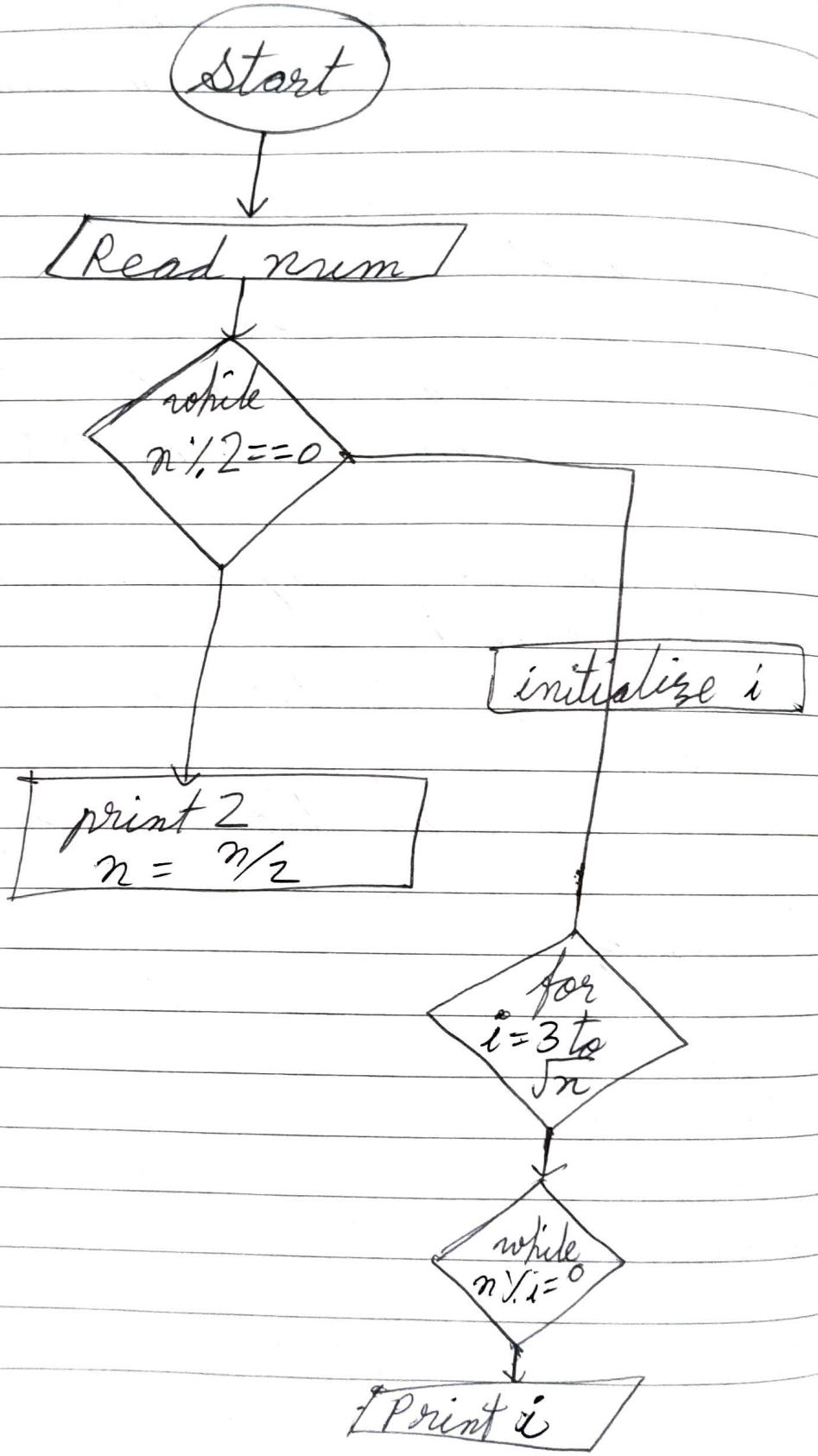
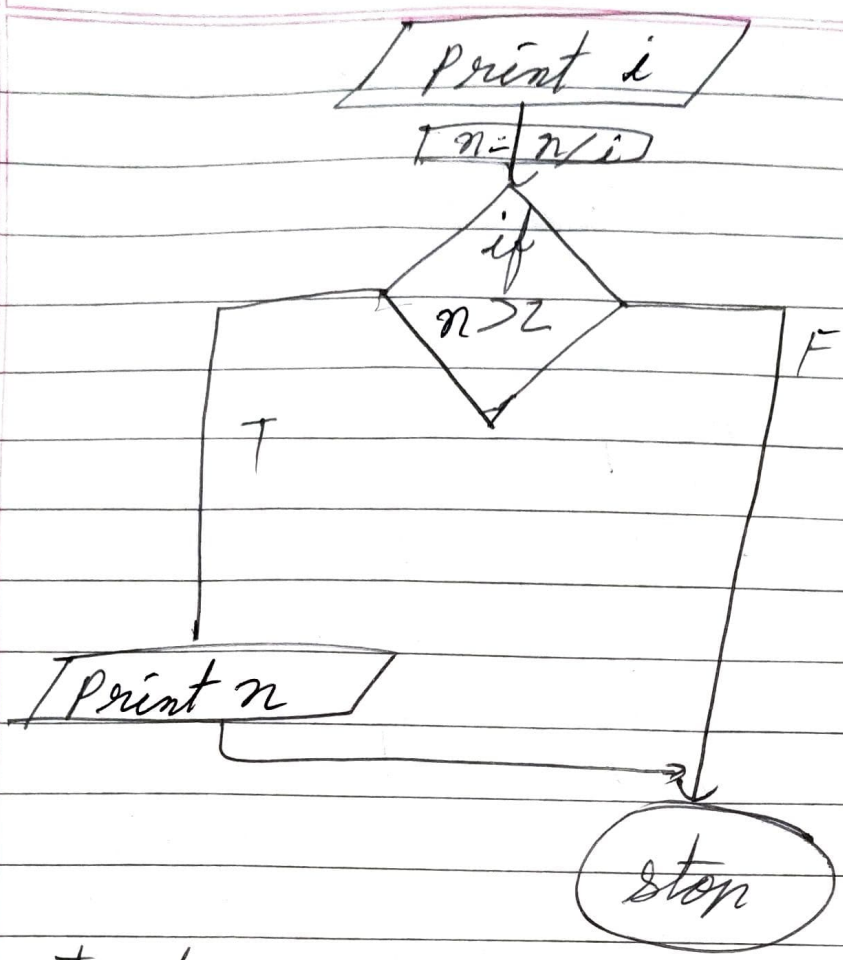
Algo

1. Start
2. Take num as input
3. Initialize r, sum and temp = num
4. while (num > 0)
   repeat
   r = num % 10
   sum = (sum * 10) + r
   num = num / 10
5. Check if temp == num
   if correct
   print "No. is palindrome"
   else
   print "No. is not palindrome"
6. Stop

Q. 18. Java program to print prime factors of a given no.

F.C

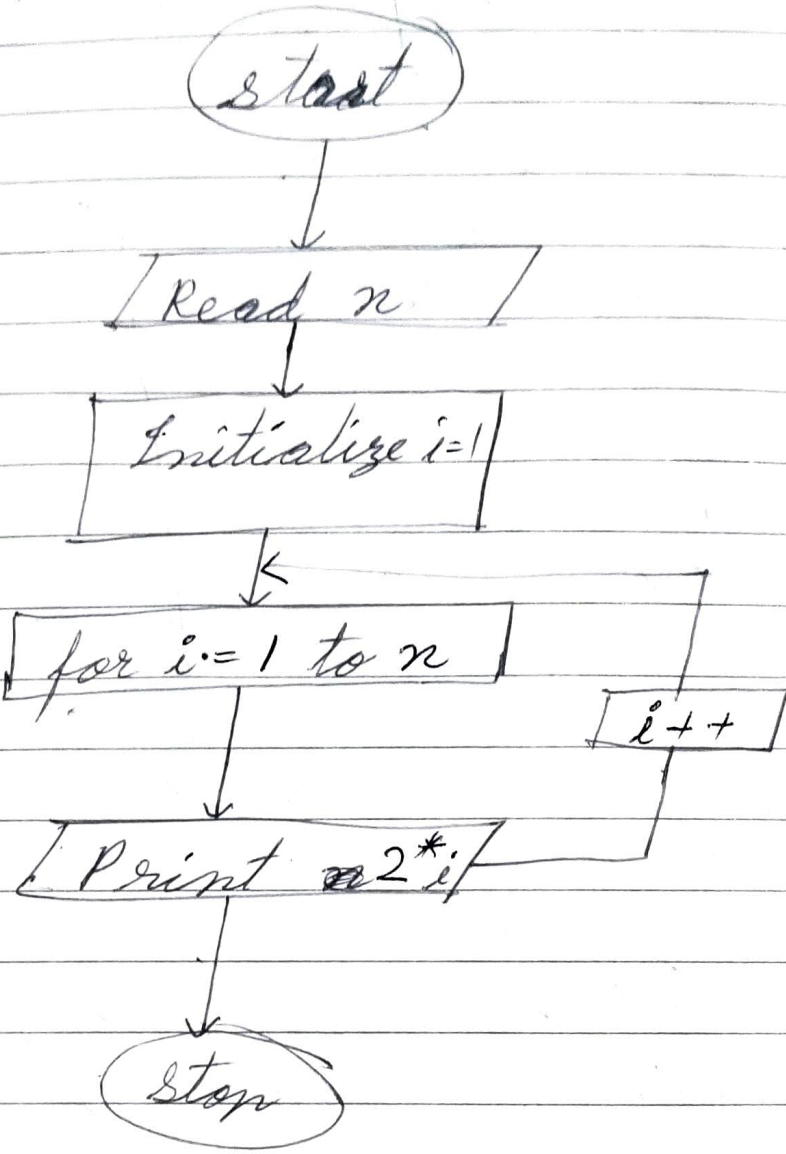




Algo

1. Start
2. Take input
3. Print no. of 2s using while loop until n is divisible by 2 & divide it by 2
4. ~~We~~ Run for loop from 3 to $\sqrt{n}$ for i
5. While i divides n,
   print i & divide n by i
6. Check if n > 2
   print n
7. Else stop

Q. 19. To print even no. series



Algo

1. Start
2. Read n (no. of terms)
3. Initialize i to 1
4. If i is less than n
   print 2X i
5. ~~else~~ Increment i
6. ~~Go to~~ Repeat Step 4 & 5 till i=n
7. Stop

Brice
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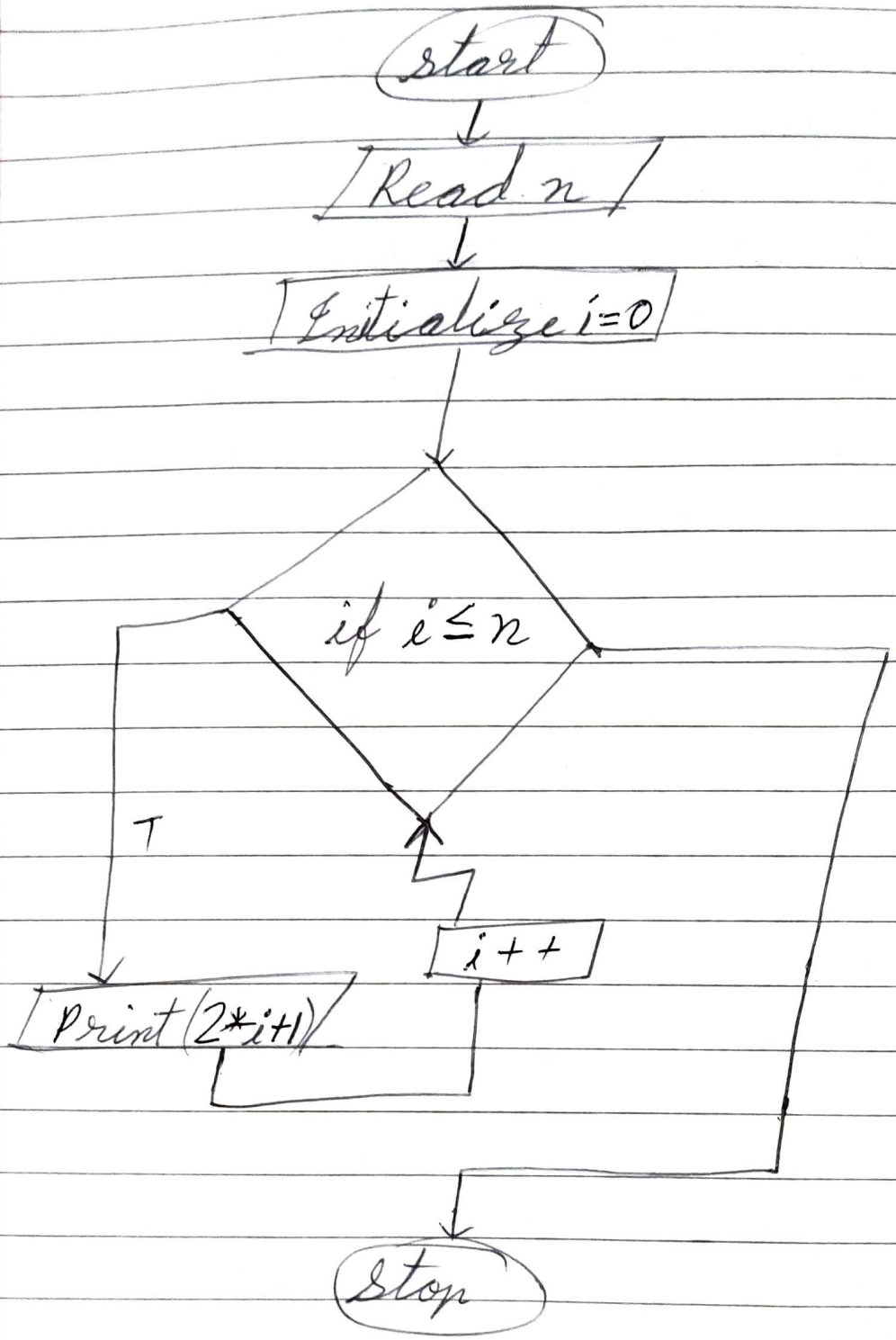
Q.20 To print odd no. series



Algo

1. Start
2. Read n
3. Initialize i = 0
4. Check if $i \leq n$
   print $(2 \times i + 1)$
   increment i
5. Else
   stop