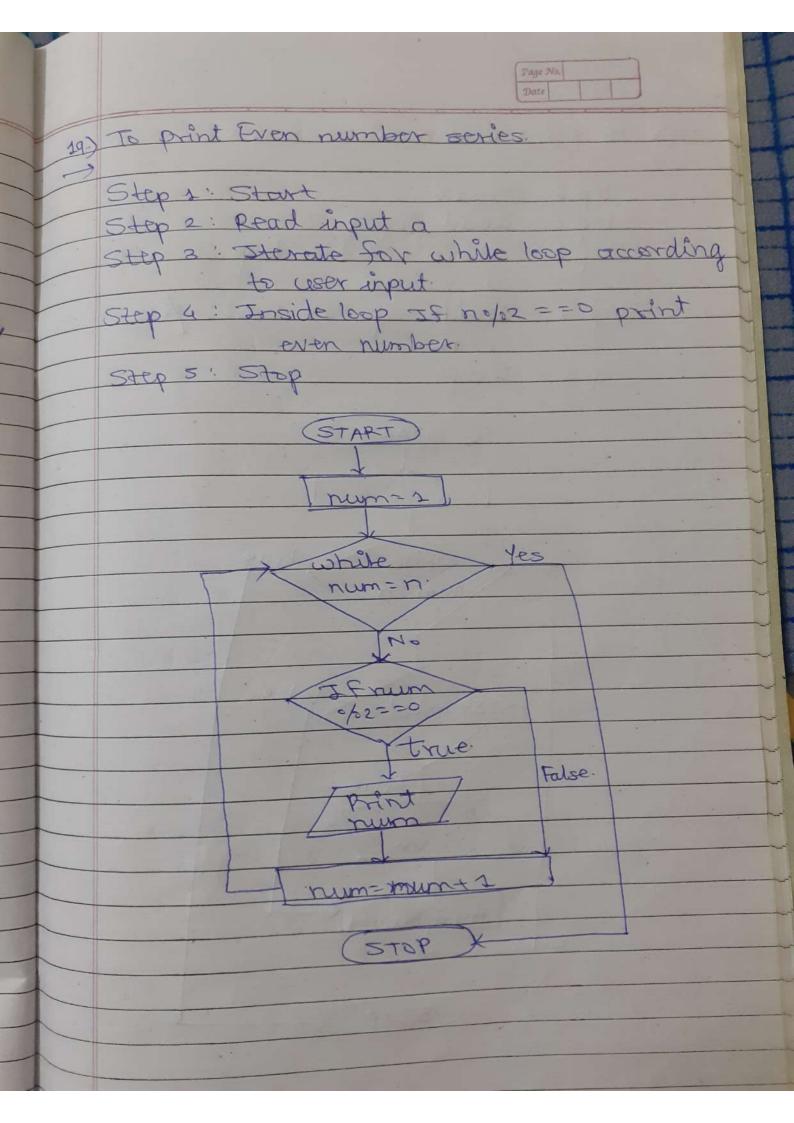
20) To print Old number series. Step 2: Start

Step 2: Read input:

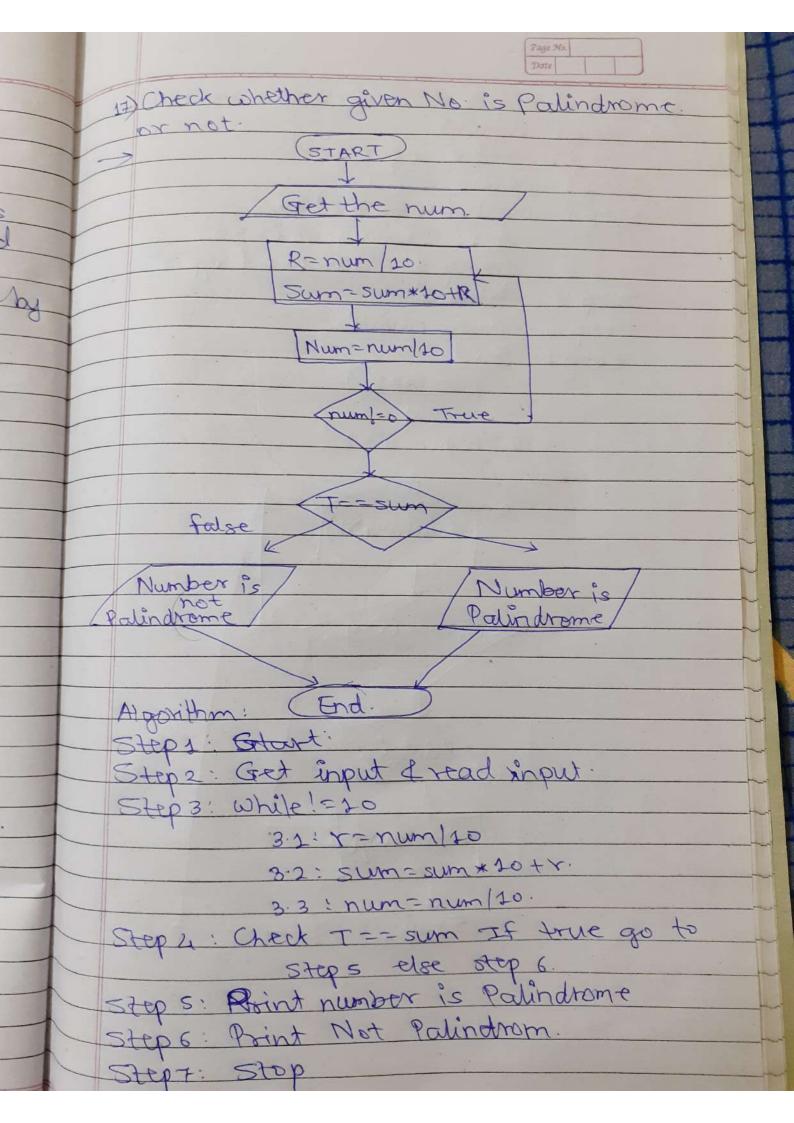
Step 3: Iterate white loop according to

user input

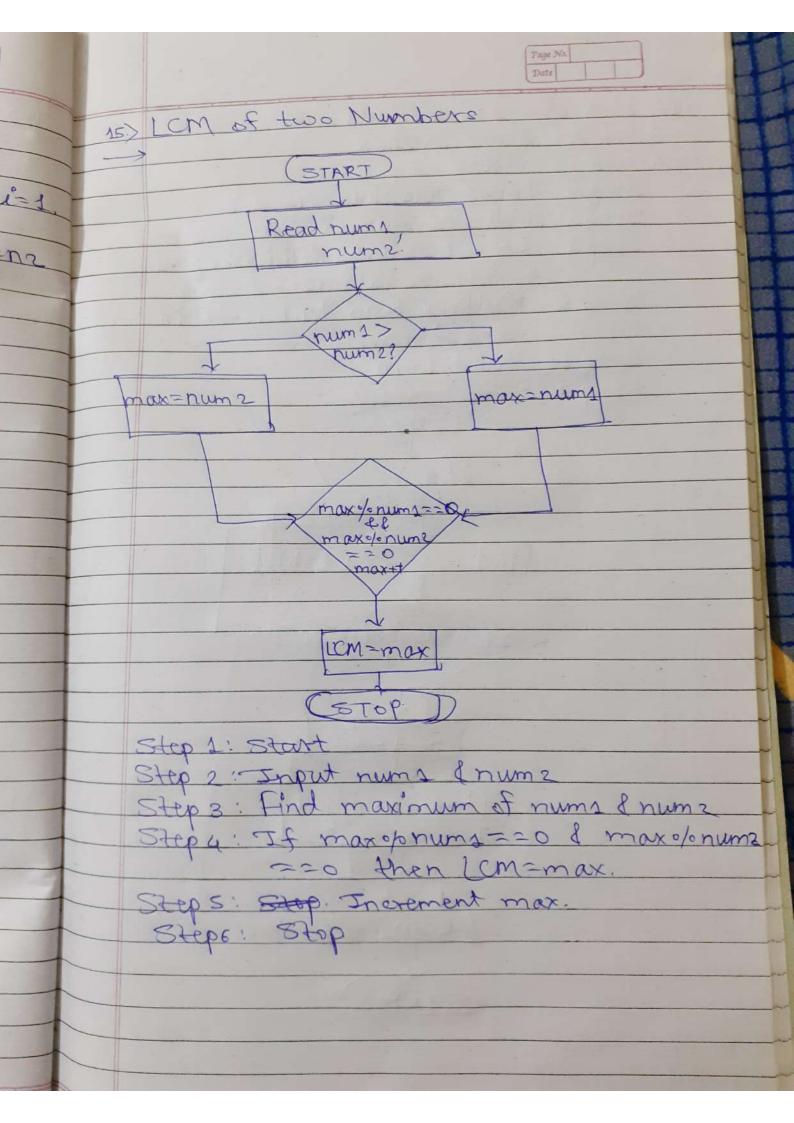
Step 4: Inside loop If no/021=\$0 print Steps: Stop. CSTART nun= 1. If no/026=0 (STOP X



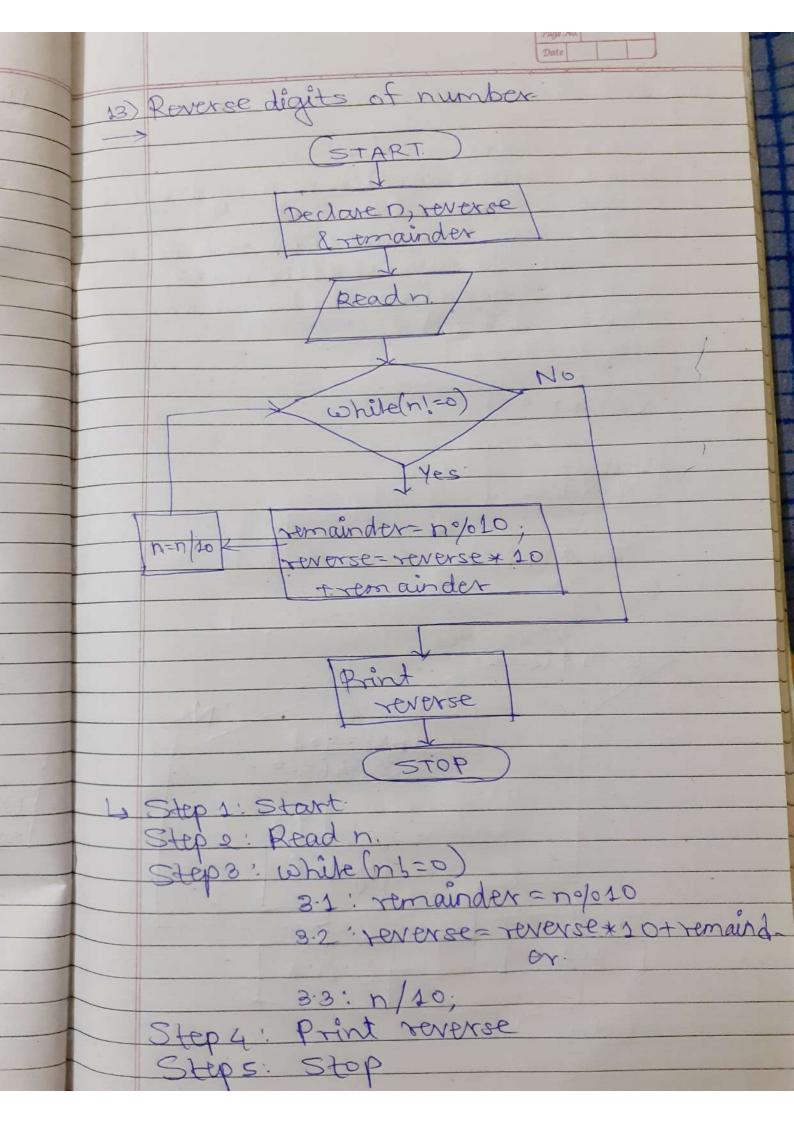
Date 18) To print prime factors of given Number Step 2: Take input Step 3: i= 2. Step2: while (num >1)-Step 5: Print i. Step 6: num=num/i. Step7: End. START If (numo/o == =0)



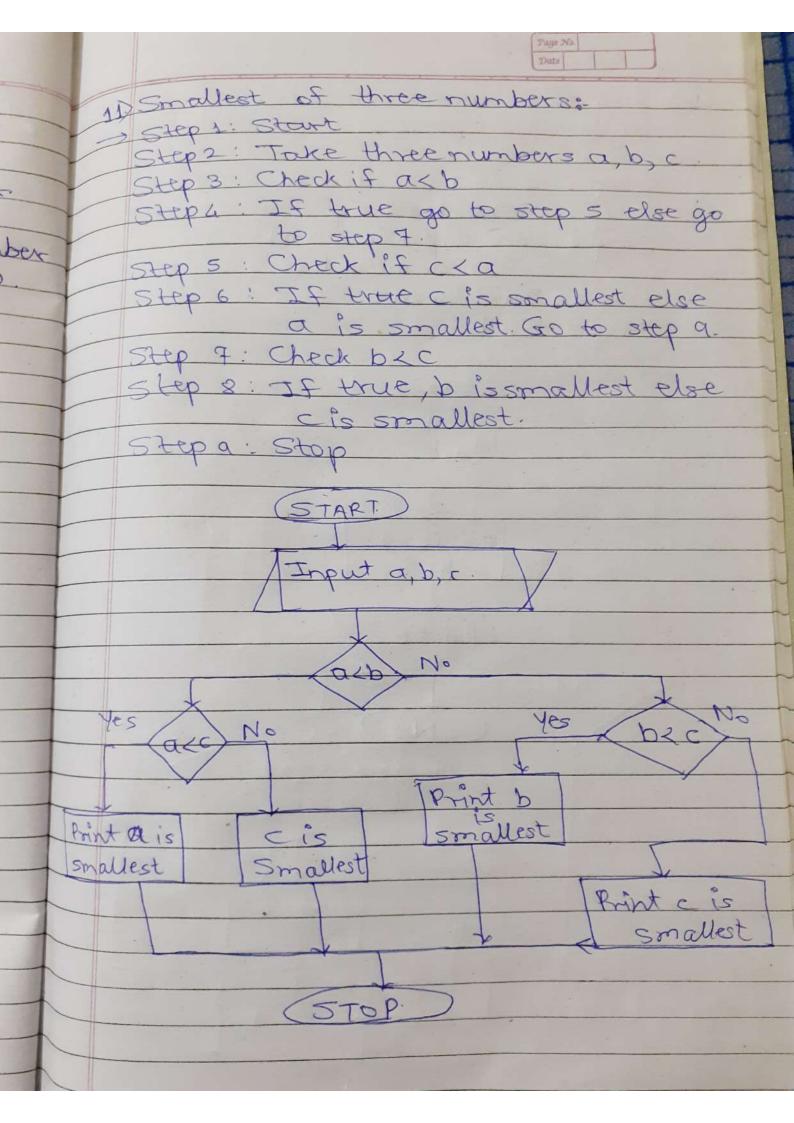
16) LCM of two numbers using the Prime factor method. > Step 1: Start Step 2: Input Two Numbers a, b Steps: Find factors of given numbers Step4: If all are divisible by God equals to factors Steps: Multiply two Numbers -> Divide by Gcd = LCM Stre 6: Print LCM for (iz=allic=b) Tf(a/0/= 084 bo/08 1cm=(axb)/gcd



Date No. 14) GCD of two given numbers 15> Step 1: Start
Step 2: Declare variables n1, n2, gcd-1, ist Steps: Input ni & na Step 4: Repeat until i <-n1 and i <=n2
4.1: If n10/01==0 {| ne0/01==0; 4.2: gcd=1 Steps: Print gcd Step 6: Stop. (START Declare Vaniables Input nig Kikani dikanz No



12.) Add two numbers without using arithmetic operators. Step 1: STAP Step 2: Take two i/p Step 3: for loop (ik=num1) Step4: Print num 2 Steps: End. (START



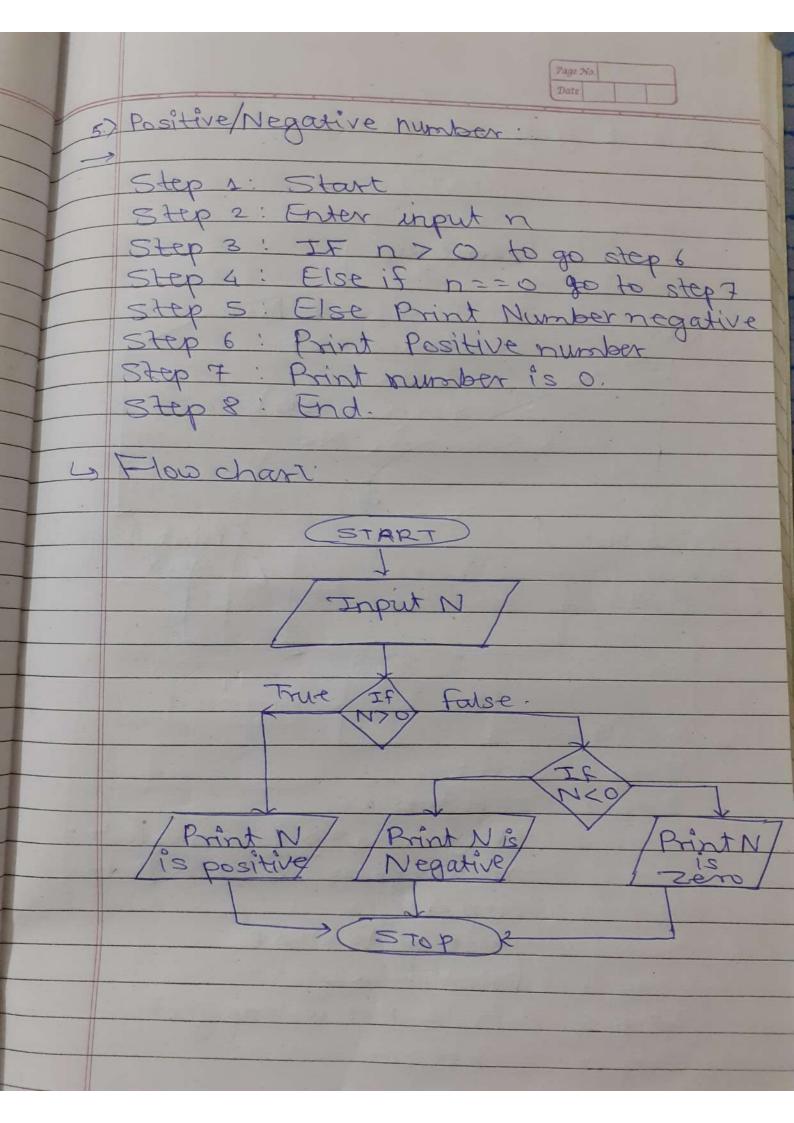
10) Sum of digits of number Step 2: Get the number n by user Step 3: no/010 Step4: Sun the remainder of number Steps: Repeat step 2 wortill n >0 START Input n No Yes Not Possible 570 P Y= n=/010 sum=sumfr n=n/20

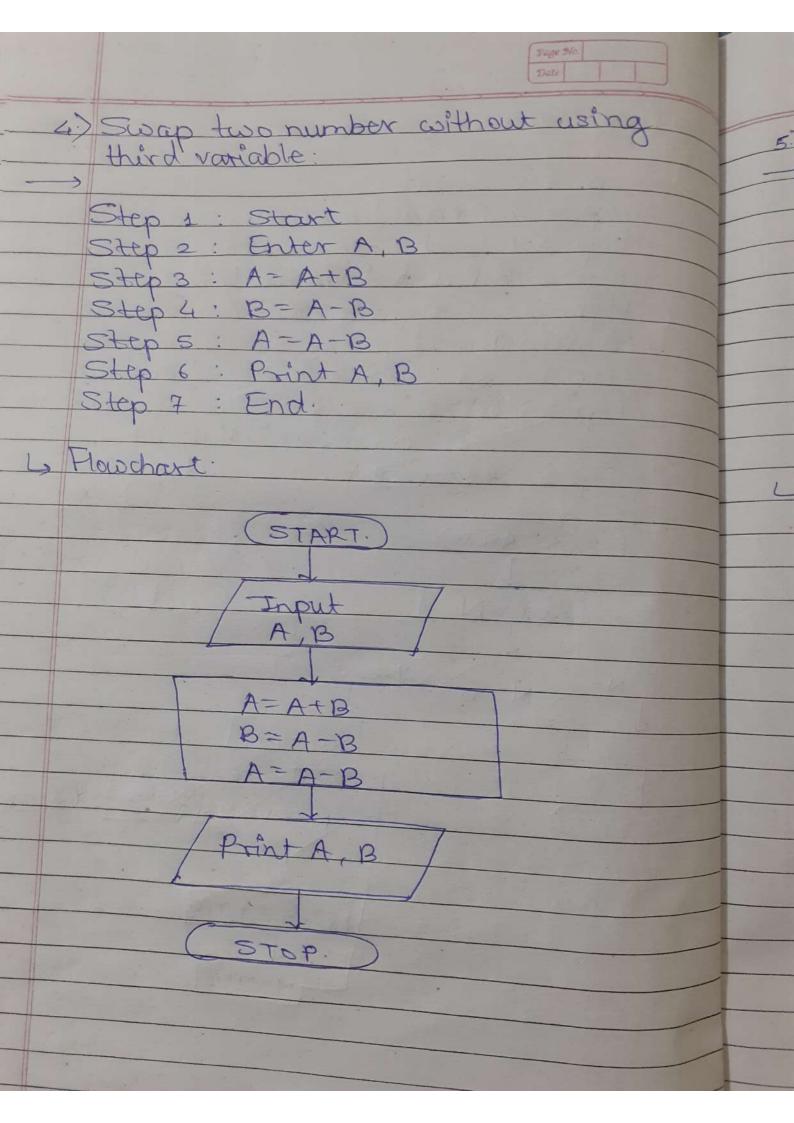
9) To print factors of number (START.) Declare no f Read n. for (i= 1 to E-1+1 check (f(n/01)=0) STOP Step 1: Start. Steps: Declare Variable (read input Step 3: for i=1 to n/2 bin 3.1: Check IF (no/01 ==0) 3:2: Increment i by 1. Go to step & Stop 4: Print i Steps: Stop.

8) Print digits of Number (START) Declare n, l Read n./ while(n1=0) No l=no/10; n=n/10 Print & E Step 1: Start Step 2: Take input n. Step 3: Read n Step 4: while (n!=0) Step4:2: l=n=/010 Step4:2:0=n/20 Steps: Point! Step 6: Stop

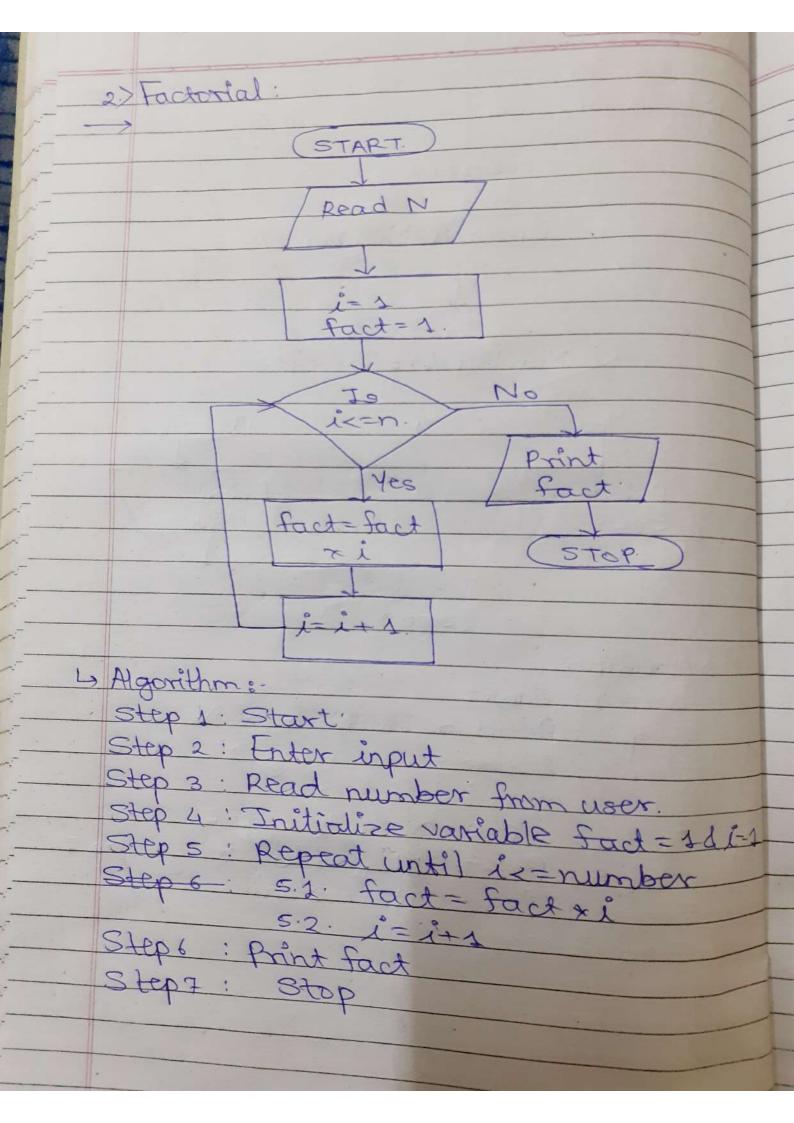
3) Print 1 to so without loop. Step 1: Start Step 2: Initialize variable number as integer number(n)=1 Step 3: Read of print the value of number. Step 4: Repeat step 3 until number 220 4.1: number = number(n)+1 Steps: Stop (START) NUM & 1 method (x) Printa method (a+1) (3708

6) Leap year (START) Eppyt years If (year o/04==0 AND) year / 100 (= 0) (years/0400=00) Print Not TSTOP 4 Algorithm Step 1: Start Step 2 : Input year Step 3: If years/ 4=0 } years/0 100/=0 or year of 6600 = 0 then go to Step 4 else go to step 5 Step 4: Print leap year Steps: Print not a leap year.





3) Factorial using recursion. Step 1: Start Step 2: Read number n. Step 3: Call factorial(n)
Step 4: Print factorial f Step 5: Stop factorial(n) Step 1: - If n==1 then return 1 Step 2: Else F-n+factorial(n-1) Step 3: Return f. START Read N fact - facting



Assignment-1 1) Even or Odd (START) Enter a Number Number 0/02==0 Yes Print (STOP - Algorithm Step 1: Start Step 2: Read a number to N Step 3: Divide number by 2 4 store remainder in R. Step 4: If R=0, Go to step 6 Step 5: Print "N is odd" to go step 7. Steps: Print "N is even" Step: Stop