1) Day 1 Assignment

Cheek if the given number is EVEN or ODD

Flowchart

Algoritham

Stepl: start

Step 21 ReadNo

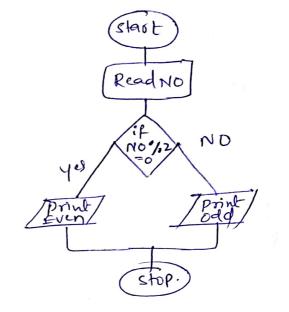
Step3: If no/ 2= 0 then

Print 4 no is even

Else

Print " no is odd"

Step4: Book Stop



2) write a program to find the factorial of a given number.

The factorial of a number es the product of all Integers from 1

nv(n-1)x(n-2)x(n-3)x.

1 = Fx2x3x4x - ... +A

Algorithan

Step1: Start

Step2: readn

step3: 9=1, fact=1

Step4: if (izn) - goto step &

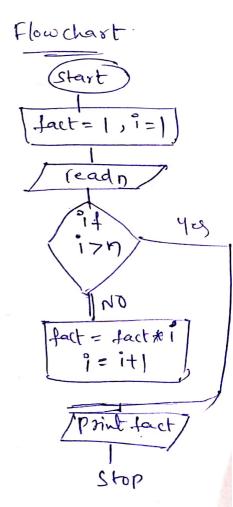
Steps: fact = fact + i

Step 6: 1 = 1+1

Step7: 90 to Step 4

Step8: Point the value of fact

Step9; Stop



Find the factorial of a number using Recursion. Swap two numbers without using the third variable approach Algorithan flow chast Step 1. Start. Stepz: Readaib start Step3: a=a+b Red arb stepa: b=a-b Steps: aza-b 929+6 Step6: print arb Step T: stop Stop How to cheek whether the given number is positive (or) Negative in Java? Read N n=12 + pe IK "OF 14 Less than zero = - YC (n<0) false. tre start Possitive/ Negative/ Stepl: Roud 7 step2: 14 (n<0) < False Stop stept: print (Negative) Stept: Print (Positive)

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Program 6 Write a Pava program to find whether a given number is leap year or NoT.

-) logic: To find year is a leap year, divided by the year by of

8. Algorithan

Step(i): Start.

Step : Read year

Step 3: rem = year y.4

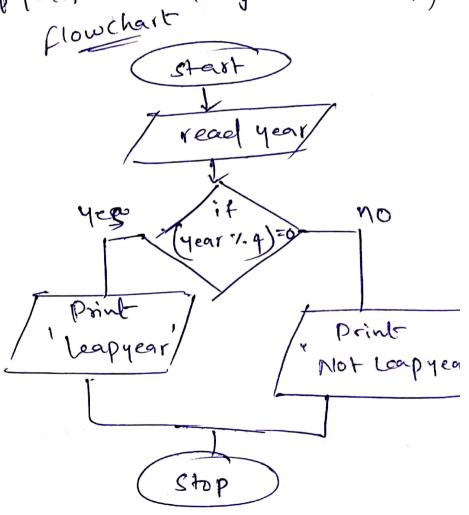
Step(4): if (rem = = 0) then

Print leapyear

else

print notaleapyear

steps: stop



Write a java program to print the g digits of a given flow chart number. Algorithan Sterat Steps 1: (Start Read 1/ Step 2: Read number. Count ==0 Step 3: (ount=0 Stepq: 響 (n>0) Condition カフロ Count n= 1/10 Count = (+) count = count +1 Steps, print. Print Step6; STOP Stop write a java program to print all the factors of the given number? Logic > if the number is 6 > & factors of 6 is > 1,2,3,6 This is the OLP step(): (start) Start Step@): Read number Declare variable nand i -) int num = 6 ; step(3), step(9): for 9=1, 9 <= num, Reado 9++ NO step(5) cheek for (1=13 îf (ny. i== 0) to n/2 step(c) printi. 12 1+1 STOP Scanned with OKEN Scanner REFERENTAL

Noite a program to find the sum of the digits of given

Algoritham

Stepi: Start

Stepz: Read and on

steps: Sum=0

Step4: 70m= n/10 (08) mm= n'1.10

Steps: Sum = Sum + rem.

Step6 = N=N/10

Step 5: if (ngo) then

90 to step (elge yoto Step 6.

Step 6: Print Sum. Step: 7: Stop. Read num

V
Sum=0

Pf
No

n70

rem = n1.10

Sum= Sum+ Rem

n= n/10

Print
Sum

Stop

Write a Java program to find the smallest of 3 digitnumber.

Algorithan

Step1: (Sterrt)

Step2; Read Name digits. 916, C

Step3; & if a < b yes then cheek

ace yes then

Print a (00) smallest Number

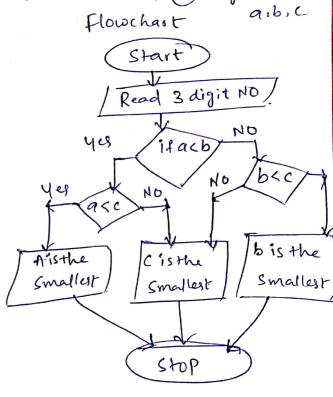
Step4: If alb No then Check

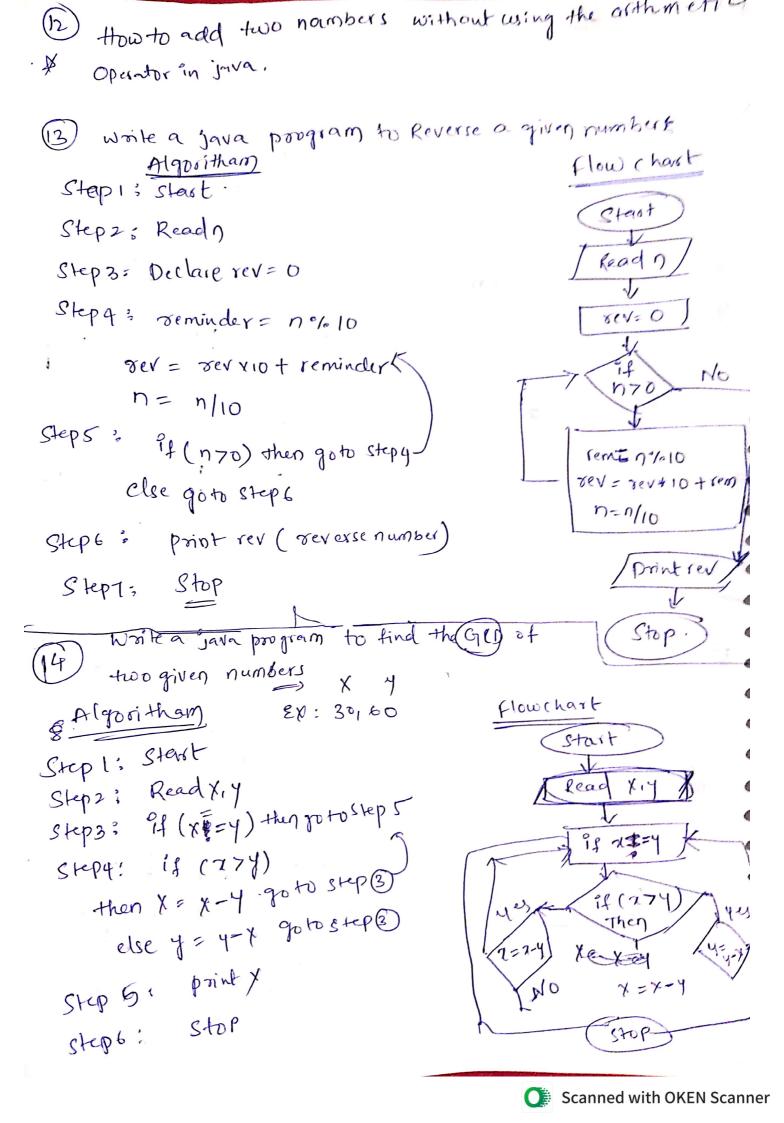
bac yes then print b.

Steps: if a < b No then b < c

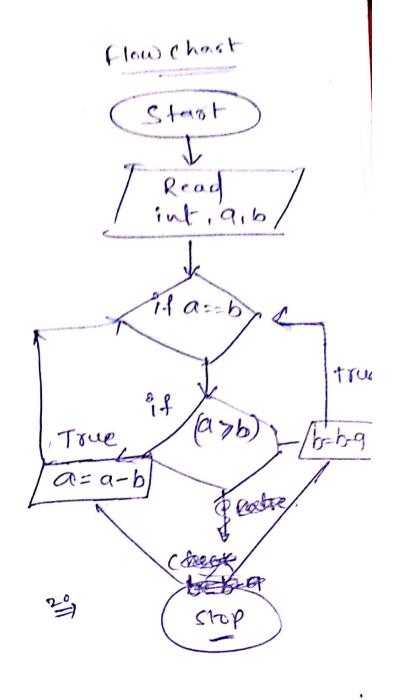
Nother print C

Step 61 Stop





write a java program to find the GCD of two numbers Algoritham -Step () -> Sterrt int variable. -Step 2) -> Read 0116 (08) 98,56 0 step3) if (a == b) then go to 3 Step 5 Stepy > "if (a76) then 3 a=a-b Conditionistace 3 then go to step 3 else éb= b-a condition 3 cheeks then go to step 3. -sleps: Print X Step 61 stop



Theek The wether the given number is palindrome or not Algoritham

Step1: Stast

Step 2 & Read n,

Step3: Declare temp=n, vev=0

Step4: rem = n/. 10

Steps ? rev= rev*10+ rem.

Step6; n= n/10

Step 7194 (n70) then goto steps

4 406

else goto 8

Step8: 9f (tempz=rev) then

print (palindrome Number)

else.

print ('Not palindrome number)

Howchast declare ver= 0 temp=n Mes print number (palindrom) Stop

(18) write a java program to print all the factorial of the

Given number.

Algorithan

Step1: Sterst

Step2: Ready

Step3: [Initialize]

921, fact=1

Step4: if (i7n) gotostep8

Steps , fact = fact xi

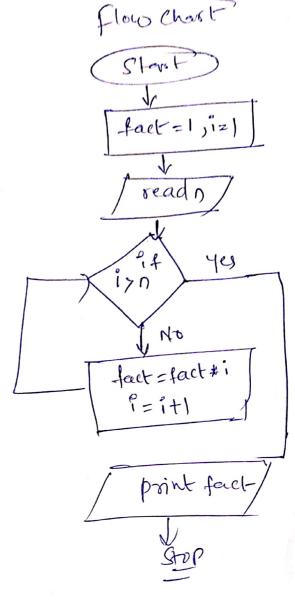
Step6: Pzit1

stepti goto step4

steps: print the value

of fact

Step 9: 9top



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\$

writer Java program to print all factors of the (18)

given number.

Algorithan

Stepi: Start

Steps: read Number

Step3: Int i=1

Step4: if (i <= number)

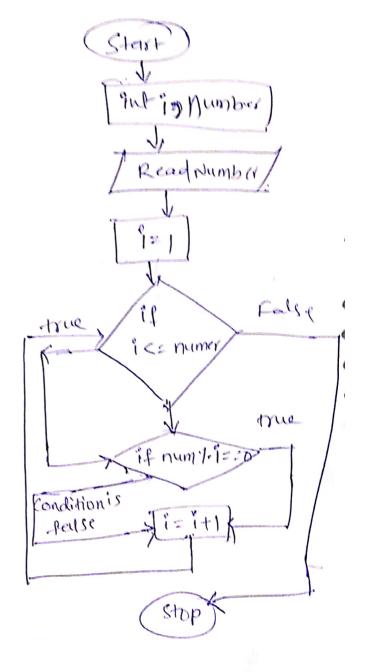
then goto 5 th step elso goto 8th

Steps: if (num y. "==0)

Step6; print i

Stept: i= f+1 -gotof

Steps: Stop



(19) Topint the following series Even number series

Algorithan

Step1 - Start

Steps - Read of

Step3 -> 1=1

Stepy if ican

then (17.2 == 0)

Step 5: Printi

Steps: i=i++

Step 9: Stop

To print the following series odd number.

Algorithan

Step1 ? Stenst

Step 2: Ready

Step 3: " = 1

Step4: if i <= n

then i/, 2=1

Steps: Print ?

Step6: i= i++

Step7: Stop

Plantham

Flow chart

Start

Read n

in 2 == 0

Printi

Stop

