a Wroite an algorithm 4 draws a flowchard for the Policy Programs,

is check if the given number is Even on Odd.

step1: Start.

step 2: Take input of can't numbers in "h".

steps: check for n"module" z" is exactely equals to "zero", than prosent "numbers is Even".

step 4! else pirint "number is odd"

Step 9: END.

2. Write a progracion to find factorial of given

Stepl: Stant

step 2: Take input of any numbers "n".

step3: Consider two versicule "m"4 fact" 4 assign trom equals to "zero".

step 4: for 'm' less than equals to"n"

steps: fact x = (mxn);

Step 6: upgrade vale of m+=1;

step 7: when m is non less than on egals to 1 then print factorial (fact).

step8: End.

3 find the factornial of a number using Recursion.

Step1: Stant

steps! Read numbers 1

9tep3; call factoroial (n)

Step 4: factorial (n)

Steps: In n==1 +nen neturn 1

Stap61 614

P= nxfactomal (n-1)

Step 7! Roteron F

Step 8! STOP.

Truste inpute n

Truste inpute n

Inumber is Even

Filen

Given numbers.

Take inpute n

m= o fact=0

m = o fact=0

m = n

NO

yes

fact * = (m × n)

m= m+1

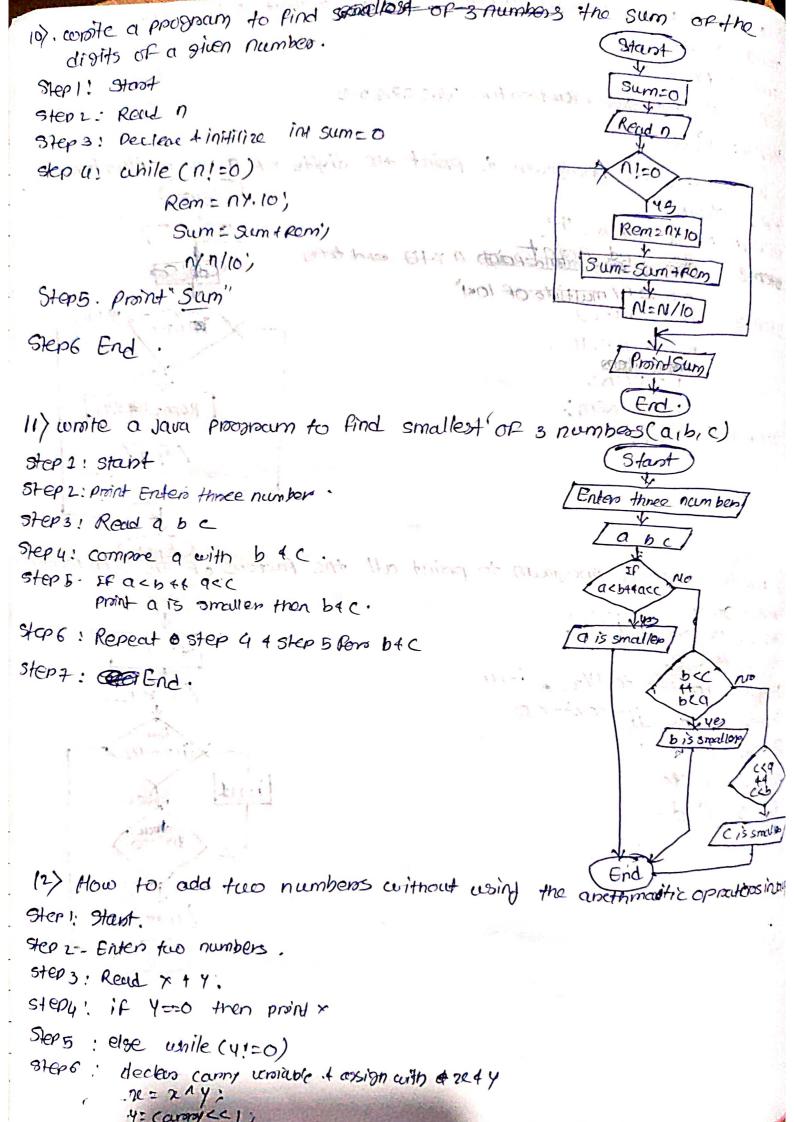
END

right food a sizely

4) swap two numbers without using the third variable approach. START Stop 1: START. enter my. entar riv 91EP Z! step 3: print it iy octocty. Step 4: Step B: Y=x-y. R=zety Step 6: x = 20 -4. 4=11-4 Step 7: Proint u, y. 4=21-4 Steps: END. After sump x y PND 6). How to check weathers the given number is resitive on Negative in In START Step1: Stant. Step 2: Enter n . 1 Steps: check offngraden troan o"44" not equals to o Step 4! pront number is positive". Step 5: elseit A is exactly equals to 0 Step 6: pront " number is Newtool Stor7: else point "Numbers is Negertial? number is positile, eteps: End. 1/20 Neutr 9 Java program to find whether a siven number is leap years on net: Steent Step 1: Stant Recid n Step 2: Peud n 117-4== Step3: If ny.4=50 STED 4: proint "Yeur is leap yeur". yes leap year Step 5! else por leap you step6: print "Year is non leap year." HED 7: End.

a) wrote a java program to proint 1 to 10 without using Loop. Step 2: Stant step 2: Proint 1 step 3: Reapert Step 2 Remother For 2,3,4,5,6,7,8,0,10 Glep4: End of wrote a juve program to print the digits of a given Number dep 1; stast Stant step 2! Read Number 'h" /Read N step 3: while (n!=0) ONP Ram = 14.10; 11=0 n= n/10; Proint Rem; Rame NA Y.10 step 4: End. I) write a save program to proint all the factors of step: Stort (Stool step 2: Declero int 14n" Step 3: Read n. gleput For i=2 to N2 , i=1+1 Step 5: check if nxi==0 Read n Stop6! Proint i (1=2+01/2) step7: elste 1=1+1 slep 8: End. Nyes 17.1==0 Proint

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step 7: After steps 1 steps point sum step 8: End. Skust 13) Worke a sand program to become a siven number. oeders n. neverse, reminder Step 1: Sterst 9+ep 2: Docteon 1, menerose 4 remainders Read n Step 3: Read 7. SKP4! (heck while no is not egals to zono (nico) 0=1/10 Step B: remindos=ny-10; revenue: peronsex b tramindar) peninda=ny.10 rocurry = paranse 10 steps: . Proint neverose + penindo all to dissipulibul or it addresses step 7: - End . L Proint vaccos 14) curite a Java program to find aco of two sign number (End step 1: Starot stant step2: Declecus variable n1, n2, gcd=1, i=1 111/2/800000 Step3: Input 11412 Step4! Repeat until isnite isnz 8(d = 1) IF NY 1==0 44 A24 1==0 8 2cd = 1 1 1 1 1 clif our stops Step 5: Proint ged. step 6. Stop. res 1=1+1 124.1== gcd=i Pront oca 15) unite a Jave program to LCM of Two given numbers. End stast) step 1: steept Step2: Read 11 412 Record nithe stops: autorpocleon LCM Lun= (ni> n2) 9 ni 1125 Stepy: (cm= (ni) nz) ? n1: nz) Acos: when while is touch if (LCMY. NI == 0 +4 LCMY. NZ == 0) tour 1 LCASLCM+1 stope: proint com Sten 7: increment Lim LLMY ne= 3 stpg: End.

```
16) unite a save program to Lem of Two given numbers using the prim
     factors method.
                       arctions make a suppose of managery protection
 Step 1: a sterd
 Step 21 Read NI 4 12
 Steps: for i=1 i < a 4 i < b
                                                    TO COURSE OF THE PARTY OF THE PARTY
        itp dy. 1 = 204 by. 1 = =0
 stepy!
          2cd=1
 steps: int Lon= (arb) /acd;
 STOPE:
         proint Lcm.
                                              - State and - State and
Stept!
        End . -
in check weather siven number is a palindrome on Not
                                                        Stant
Step 1: Start:
                                                      Read 1
Step 2: Read n. m 4 recleur m, nev=0 ,0
                                                       Beu-O
Step3: tem copy nin m.
                                                       m=n
Step 4: persform 10 = NY-10
step 5: now = nev x10+n
                                                        n !=0
         n=n/10
                                                          Tres
Step. 6! checknew -== m
                                                      Be=ny.10
                                                      ncu: neux 10th
Step 7: ff it is trove then proint pelendrane
                                                       NO=N/10
Step 8: IF not then proint not pelendroome
Step 9: end.
                                                                         not revendance
                                                                  Pelendrame!
 18) unte a sava
                    program to proint all the proince factors of Gien number.
 Step1: Stoot
 Stepz: Read n.
                                               Read n
 91EP 3: Loup 1=2, 1< n 1,147
                                               1:2
 ster 4: unile 17.1 = =0
 Step 5: POLL i.
 skp 6: n= n/i
        Ifn.>2
 SKP7:
                                         1=1+1
                                                                   Fnd
 gers! proint o
 step9 : End.
```

19) To print the following series Even number series 2.4.6

SKP1; Stood

SKP2: N=2, M

SKP3: fini=0 i< presentation 100 int

SKP4 print m.

SHEPS. St End.

20) To print the following services or odd number.

SKO1: Start

Stepz' n=100

step 31 Por i=1, ic 1000 n

step 4 FF 14.21=0

Step 5: proviti

Step 6: End.

