Assignment 1

1) write Algorithm or Elowchard for the following brograms

1) check if the given number is Even or ODD.

Stort

Number 1/2=20 NO

No

Yes

No

Display.

Fold Number

End.

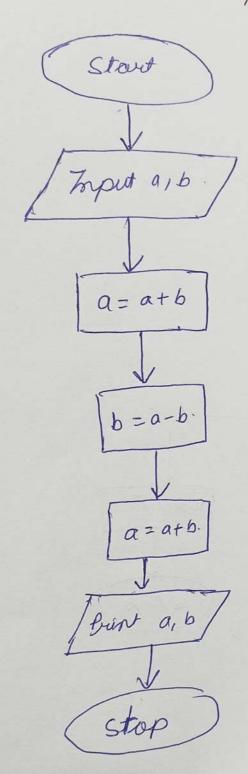
Write a Joura Cregram to find the Foctoreal of a given number start. Number (n) i <= n · NO Crient fact toct = fert + i

STOP

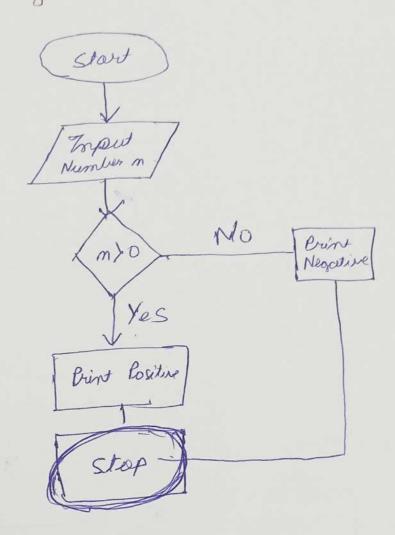
i = 1 + 1

Fortorial of a number using 3) Eind the Recursion. Start Vimber (n) NYD Yes Wo -Fact = 1. Yes Stop N==1 write Fact Foct = Fact \*N stop N = N - 1

(4) Swap two numbers without using the third variable approach.



How to cleck wheather the given number is Positive or Negative in Java?



Write a Java brogram to find wheather a given number is blap year or NOT? Stast Enter year (y). y 1,400=0 Yes NO 71/100=0 Leap year / N Nota Leap year 44.4 Stop

4

4

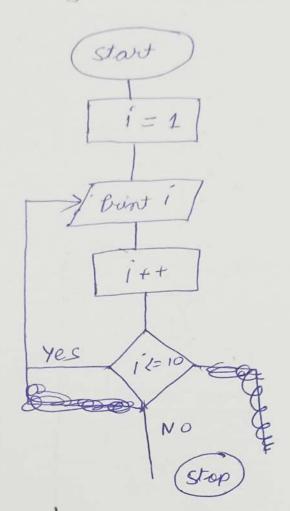
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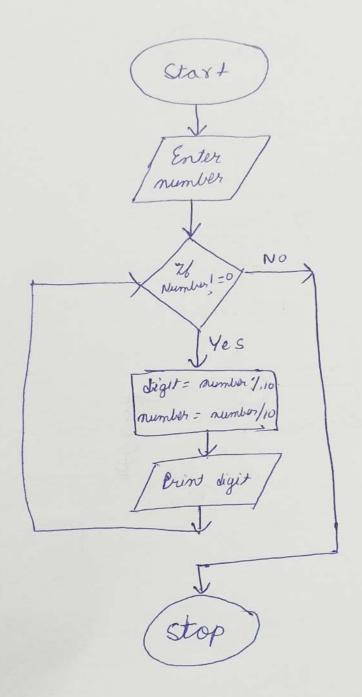
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A) write a Java brogram to Brins 1 To 10 without Using loop 0.



8) Write a Java Brogram to Brist the digits of a briven Number.





9) Write a Javo Programm to print du 1de Foctors

Start [ Declaro n & ias in. For (i=1 60 m/s) NO . [i= i+1 No.

a). Read an integer in Staxt Set Sum = 0 of mi=0, Go to step 5 Use got digit = m / 10 Sum = Sum + digit m = m/10 Repeat step 4. Print Sum. Est Step 9

11) White a Javo Engram to tend of 3 numbers (Stort Enter a, b, ( No yes alb No acc Cista buth smaller grader is smaller

12) How to add two numbers wishows using in Avithematic approalors in Javo? start. Topo oib. | Declare i = NO for uld i=i+1 4es a= a+1

200 13) write o Java program to Reverso 600 mumber 5 (00 STANT 600 600 600 600 00 0 Set raw=0 0 60 NO m>0 LOOP rew = (rev \* 10) nº/010 m= m/10 Stop int digit = num /010 reversed = reversed \$ 10 + digit; mumfto near/= 10;

GCD .g 14) rebute to Java Cregram to find two given number 0 ( stast perlate mi, ma god =1, i=1 Read mi, ma. 6mi if ni/==0 14 mail 1 No ged = i i = i + lPrint gcd End

write a Java program to ferro LCM apo Two number quen apo (Start 0 0 9 Trus boise MOX = Own ! max = mum ? monx /mi == b4 max 1-n2 True LCM = max mox ++

10 white a java program to find LCM of two
given numbers using trum Eactors

1. Stost
2. Declare.
3. Read m1 and m2
4. Call gcd. (m1, m2)
5. U. (m2 == 0) then restorm m1

5. Gcd (m2, m11. m2),
6. gcd (m2, m11. m2),
7. (m1/gcd (m1, m2)) \* m2;... LCM.

7. (m1/gcd (m1, m2)) \* m2;... LCM.

8. End.

Luo 000 Check queno number nudeather 11 60 Cabraman or XIST 60 600 Stost 600 6000 600 Ender number / 6 temps oum ruV=0 Com 0 2000 600 600 From = 2 num/10 tew = towx 10+tem num = pum/19 Thom = ru Brins num is not a from Elaindrama number is Pallindron Stop

18) Write a Java Orogram print all the Camo Factors briver Number of the Stort Declaro ntis=2 Read (Expr 12) Yes 1=1+1 and. Cleck. 76 (mil.i==9) NO Yes & Curs i deck. [j=j+1] Yes. No cleck. break

19% To print the following sever Even numbers (P) Séries 2 4 6 8 10 12 14 16 W/PO 0 Stast 600 0 0 1 299 0 6 Display i step

20) To print the following series ODD numbers Series 135 79 11 13 Stort Enter n if 1/99 Display i Stop.

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