Home work Questions

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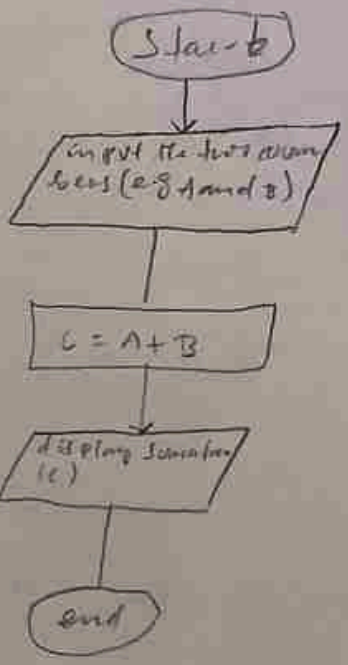
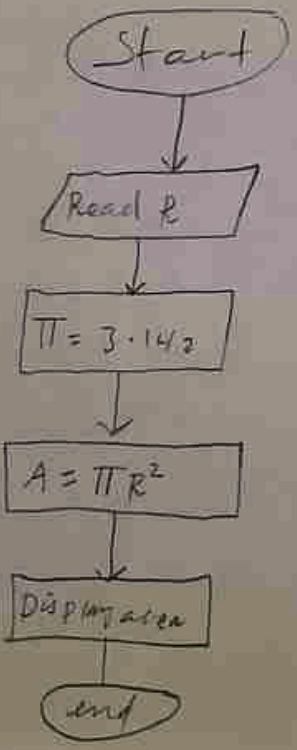
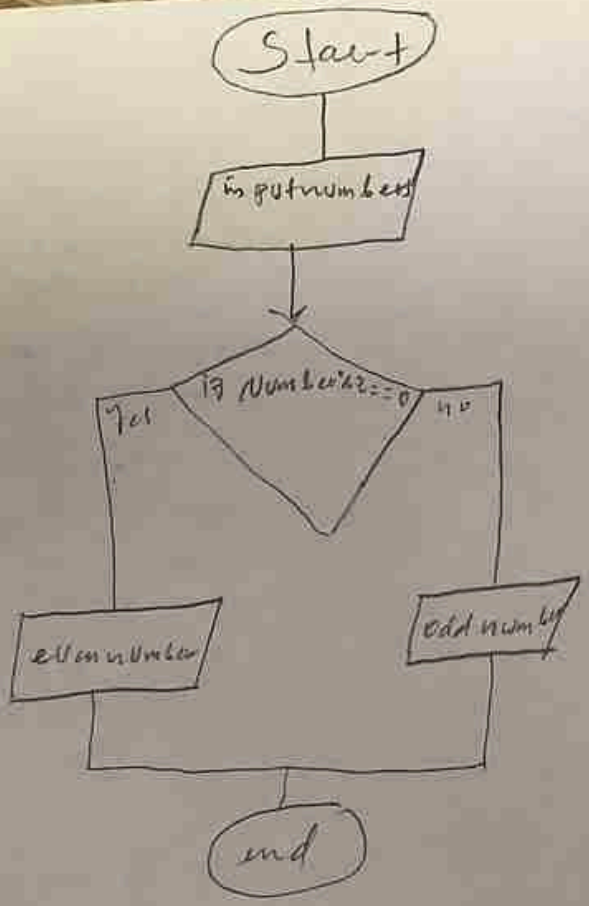
1- Draw the flow chart to add two numbers entered by a user



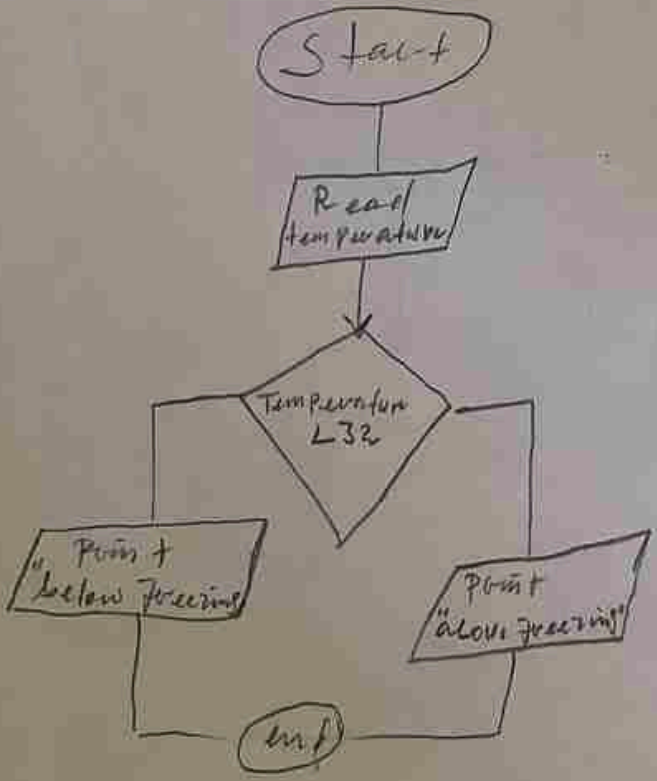
2) Calculate the area of a circle with a given Radius



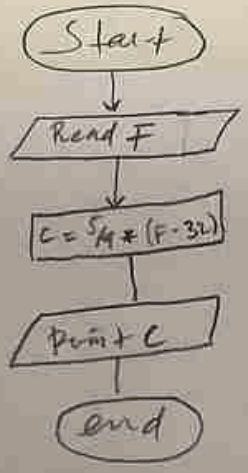
3) determine and output whether the number is Odd or even



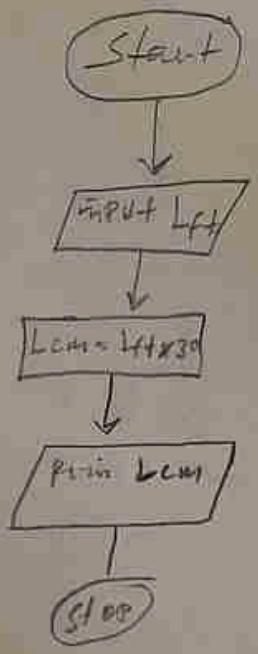
4 = Determine whether the temperature is below or above the freezing point



5: Convert temperature Fahrenheit to Celsius

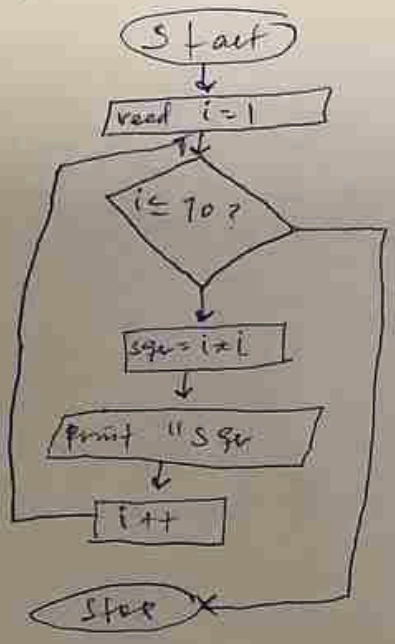


6 Write an algorithm and draw a flow chart to convert the length in feet to centimeter



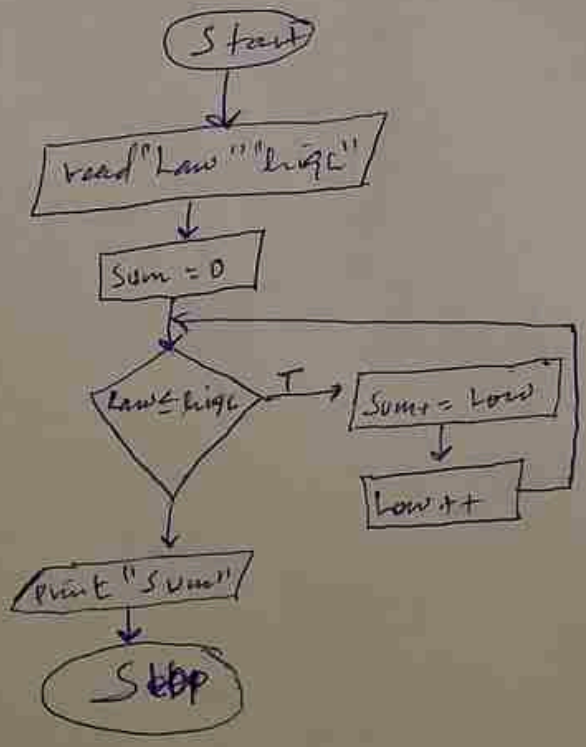
7 write

7= Write an algorithm and draw the flow chart to print the Square of all numbers from 1 to 10



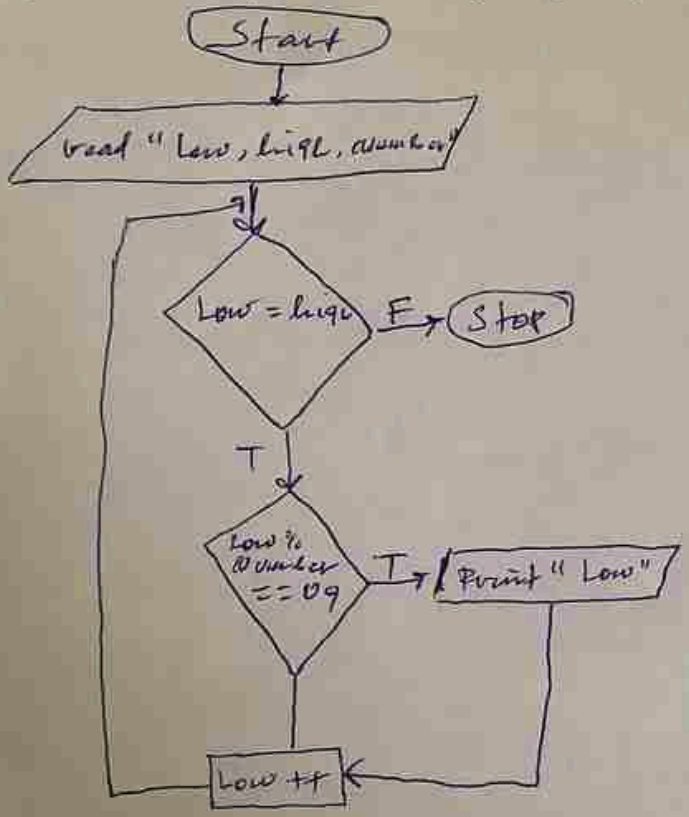
1= Start
2= Read i=1
3= If i <= 10 then go to step 4 else goto step 7
4 = Sqr = i*i
5= Print "Sqr"
6= i++ go back to step 3
7= Stop

8= Write an algorithm and draw the flow chart to print the sum of two numbers b/w Low to high



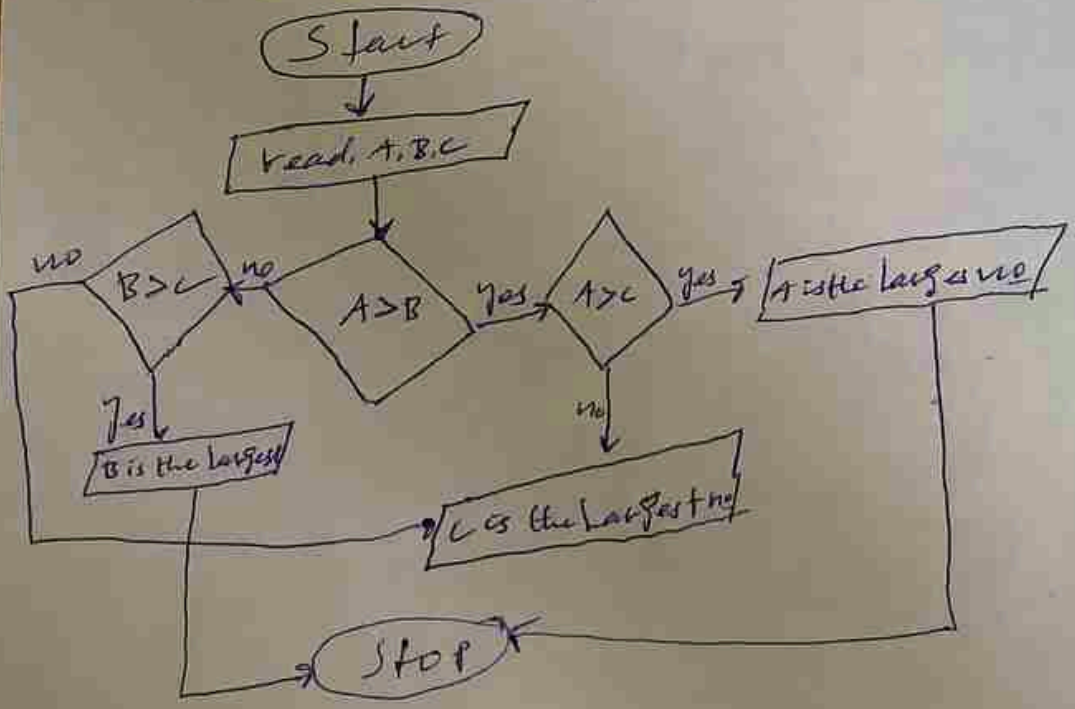
1= Start
2= read Low, high
3 = Sum=0
4= IF Low Less then or equal to high go to step 5 else go to Step 7
5 = Sum = Low
6= Low++ go to step 4
7= Print "Sum"
8= Stop

9- Write an algorithm and draw the flow chart to print all numbers between Low and high that are divisible by number

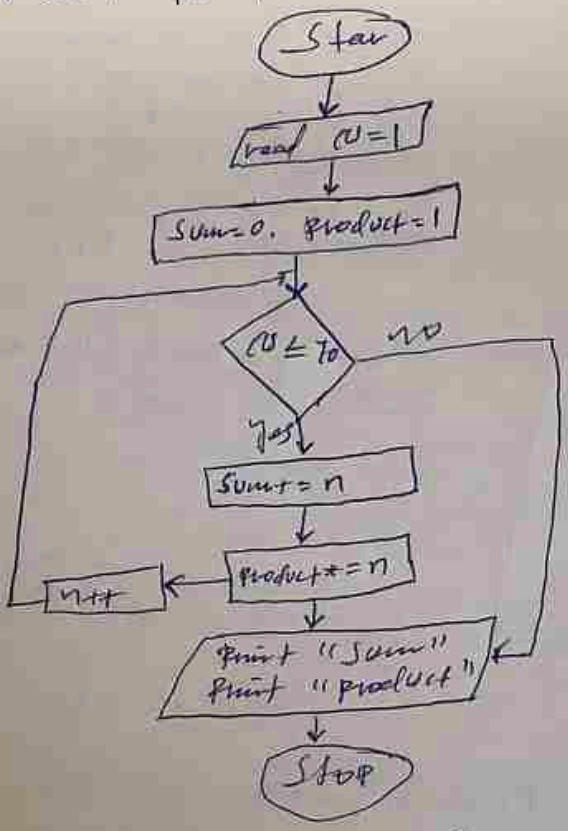


1 = Start
2 = read Low, high, number
3 = if Low ≤ high go to step 4
else goto step 7
4 = if Low mod number == 0
go to step 5 else goto step 6
5 = print " Low
6 = Low++
7 = STOP

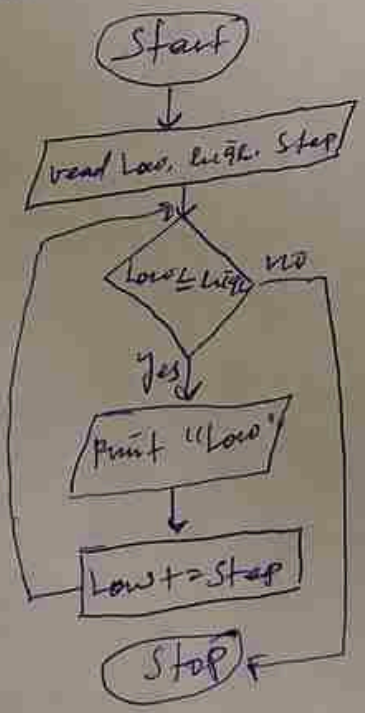
10- draw the flow chart to find the Largest of three numbers A, B and C



11 = draw a flowchart for a program that reads 10 numbers from the user and prints their sum and product

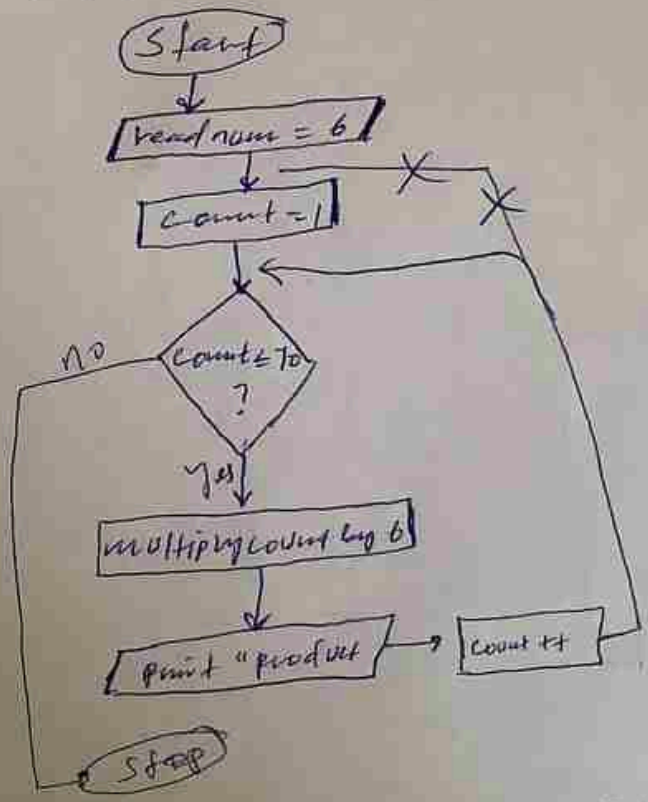


12= write an algorithm and draw a flow chart to count and print all numbers from Low to high by steps or step Test with Low=0 and HIGH = 100 and Step=5



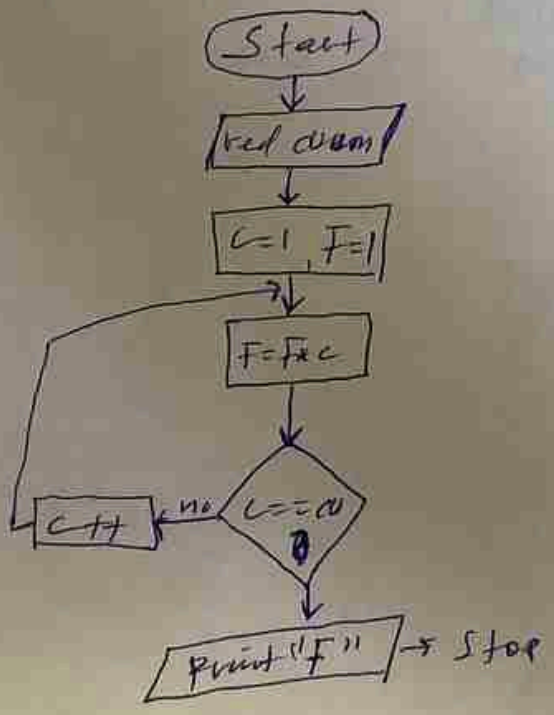
1= Start
2- read, Low, high, Step
3= if Low <= high then go to Step 4 else go to Step 6
4= print "Low"
5= Low+= Step
6= Stop

13= Write an algorithm and draw the flowchart to print the multiplication table for 6's

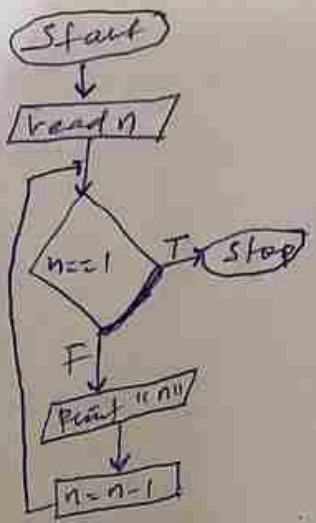


1= start
2= read number = 6
3= count = 0
4= if count ≤ to then go to step 5 else goto step 8
5= count++
6= multiply count by 6
7= print "product"
8= stop

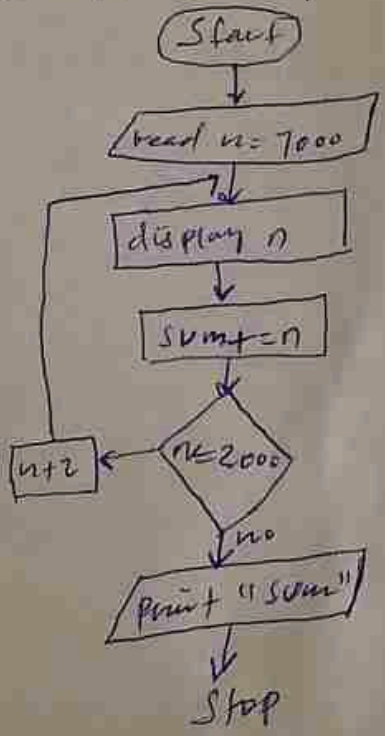
14= draw a flowchart for computing factorial of (n!)



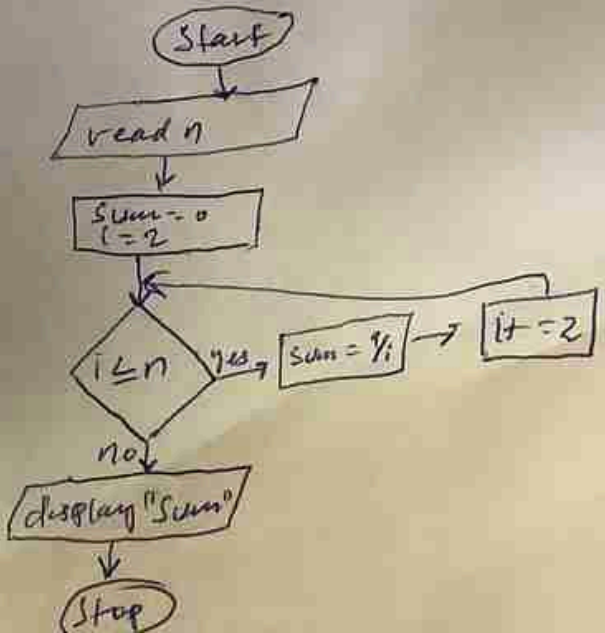
15) Draw the Flow chart to print all Natural numbers in reverse



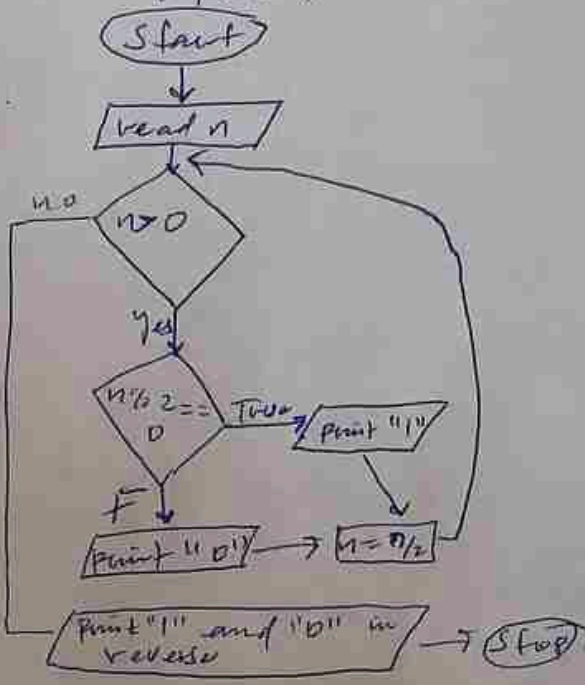
16 - design and algorithm which generates even numbers b/n 7000 and 2000 and then prints them into the standard output it should also prints total sum



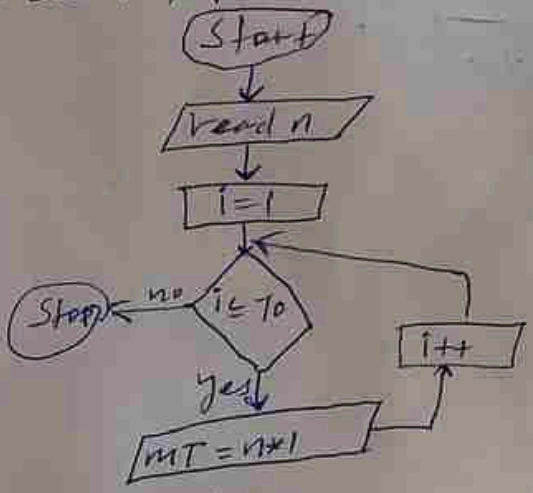
17- Design an algorithm that accepts a natural number 'n' as its input which calculates the following formula and writes the results in the standard output $S = 1/2 + 1/4 + \dots 1/n$



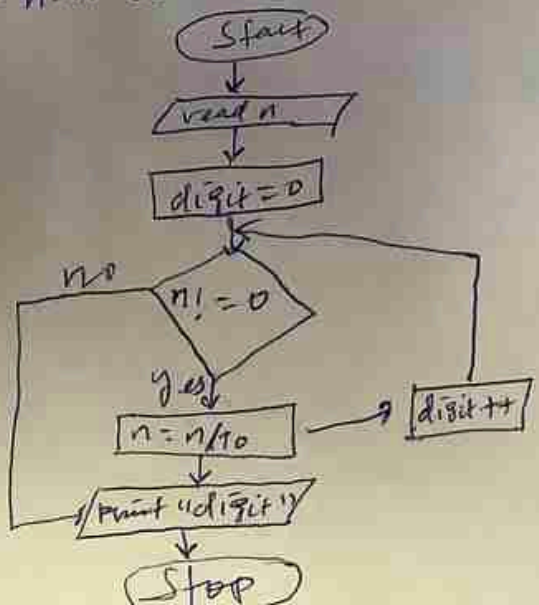
18= Design an algorithm to convert a decimal number n to binary format



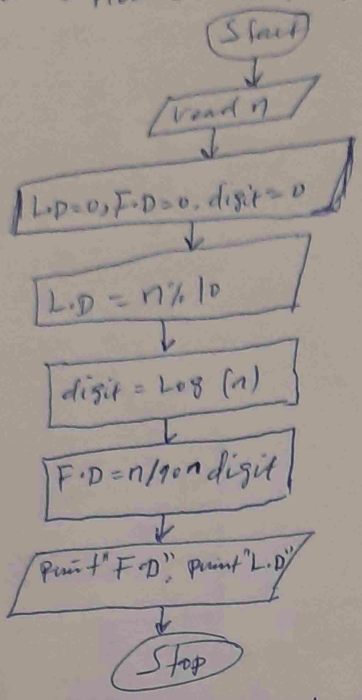
19= Draw a flow chart to print multiplication table of any number



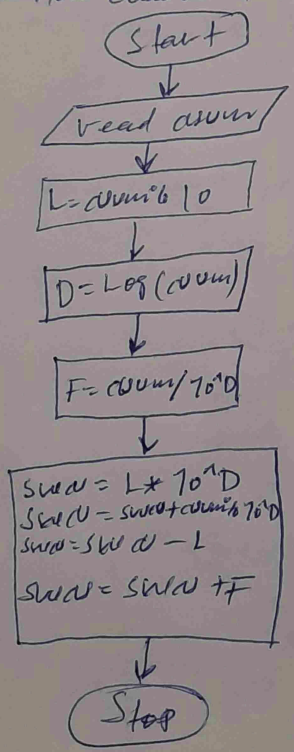
20= draw a flow chart to count number of digits in a number



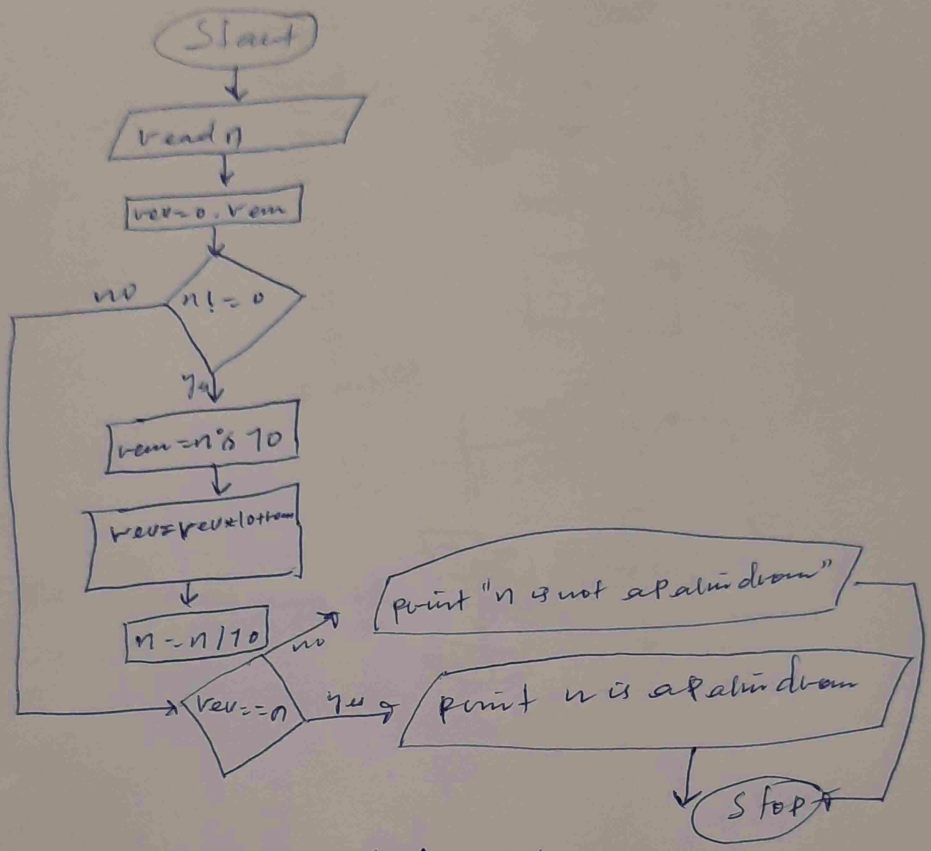
21 = draw a flow chart to find first and last digit of a given number



22 = draw a flow chart to swap first and last digit of a number



23- Draw a flow chart to check whether a given no is ~~Reverse~~ palindrom or not



24) draw a flow chart to find Frequency of each digit in a given integer ?

25= Draw a flow chart to find Highest common factor of 2 numbers