Q. Create PAC charts

Given Data	Required results
denomination available quantity of each denomination	exact amount = 75.43 USD
Processing required	Alternative solution
start with higher denominations add to make the sum use smaller denominations if can not exceeds target. e.g $10 × 7 = 70 $5 × 1 = 5 1C × 43 = 43C $70 + $5 + 43C = $75.43	· Start with smaller denomination and add larger ones if amount is less than target.

Q2)

Given Data	Required results
num 1, num 2, num 3	largest number
Processing required	Alternative
→ If num 1 > num 2 & num 1 > num 3 then num 1 is larger	Take difference b/w 2 sets of number, me one with positi ons with both 2 one numb is largest
→ If num 2 > num 3 and num 2 > num 1 then num 2 is larger	
→ If num 3 > num 1 & num 3 > num 2 then num 3 is larger	

Date:

(Q3)

Given data	Required Result
→ Number → digits	sum of digits
Processing required	**Alternative result**
sum = 0 , num > 0 Cal a = (num / 10^{n-1}) % 10 sum = sum + a n = n - 1 until n = 1	if number is -ive ignore num = -(num) and just add for sum

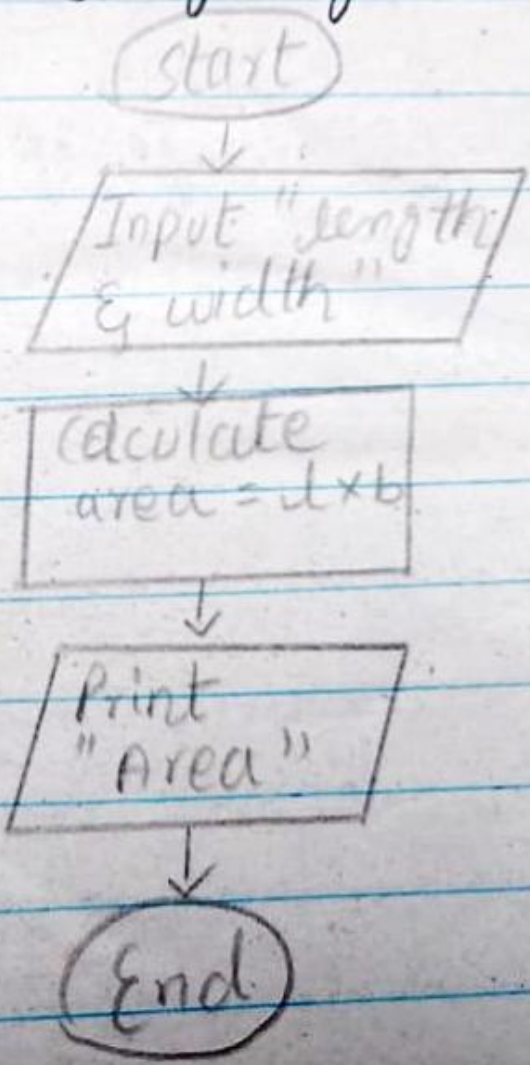
Q) Find whether a given number is even or odd. Alternatively, the user would take two numbers as input, multiply them and then determine if it is an odd or Even number.

Given Data	Required result
1) Any number 2) two numbers for x ing	number is even or odd.
Processing	**Alternate**
Calculate Even or odd $= \frac{\text{number}}{2}$ If remainder = 0 = even else, odd.	For two numbers num 1 x num 2 If $\frac{\text{num 1} \times \text{num 2}}{2}$ = Even Else odd

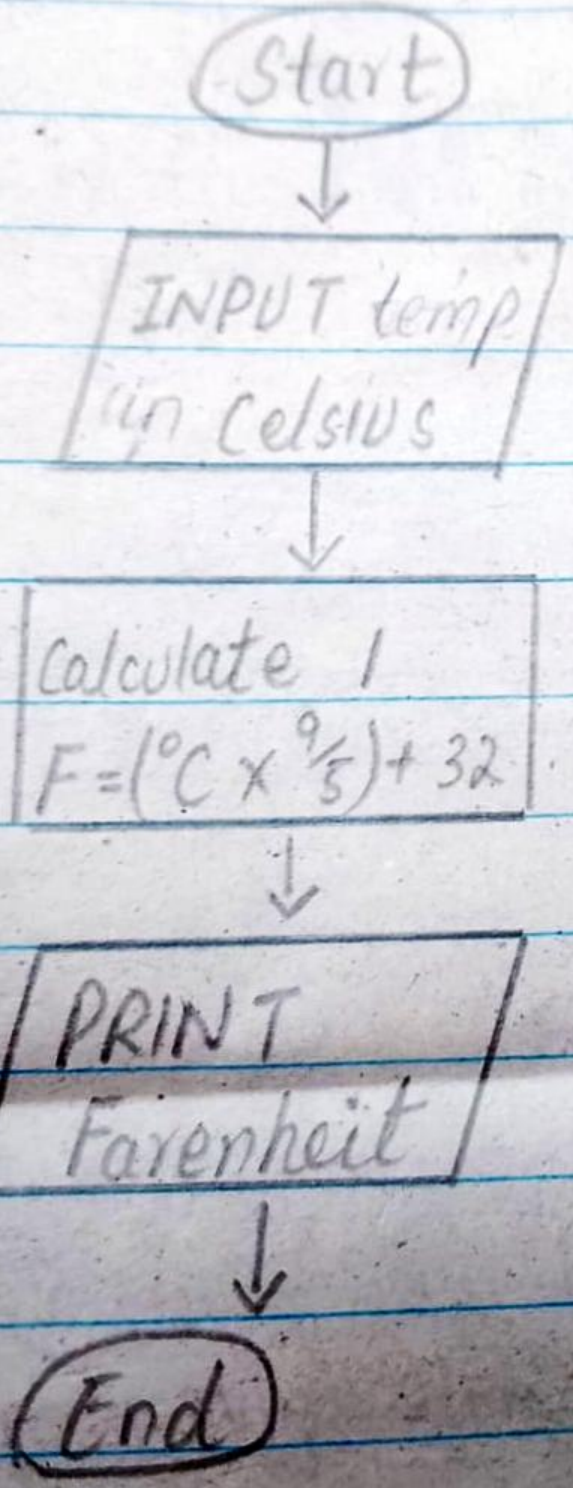
1 IPO chart

Input	Process	Module	Output
Single number	1) Read "number"	Read	The number is even or odd.
	→ Calculate E or O = number / 2	Calculate	
	→ If remainder = 0		
	PRINT "Even"	PRINT	
	→ else, PRINT "odd"		
	→ End.	End	
Two numbers	2) Read "Two num"	Read	The number is even or odd.
	Calculate for O = num1 x num2	Calculate	
	If result divisible by 2		
	PRINT "even"	PRINT	
	else "odd"	End	

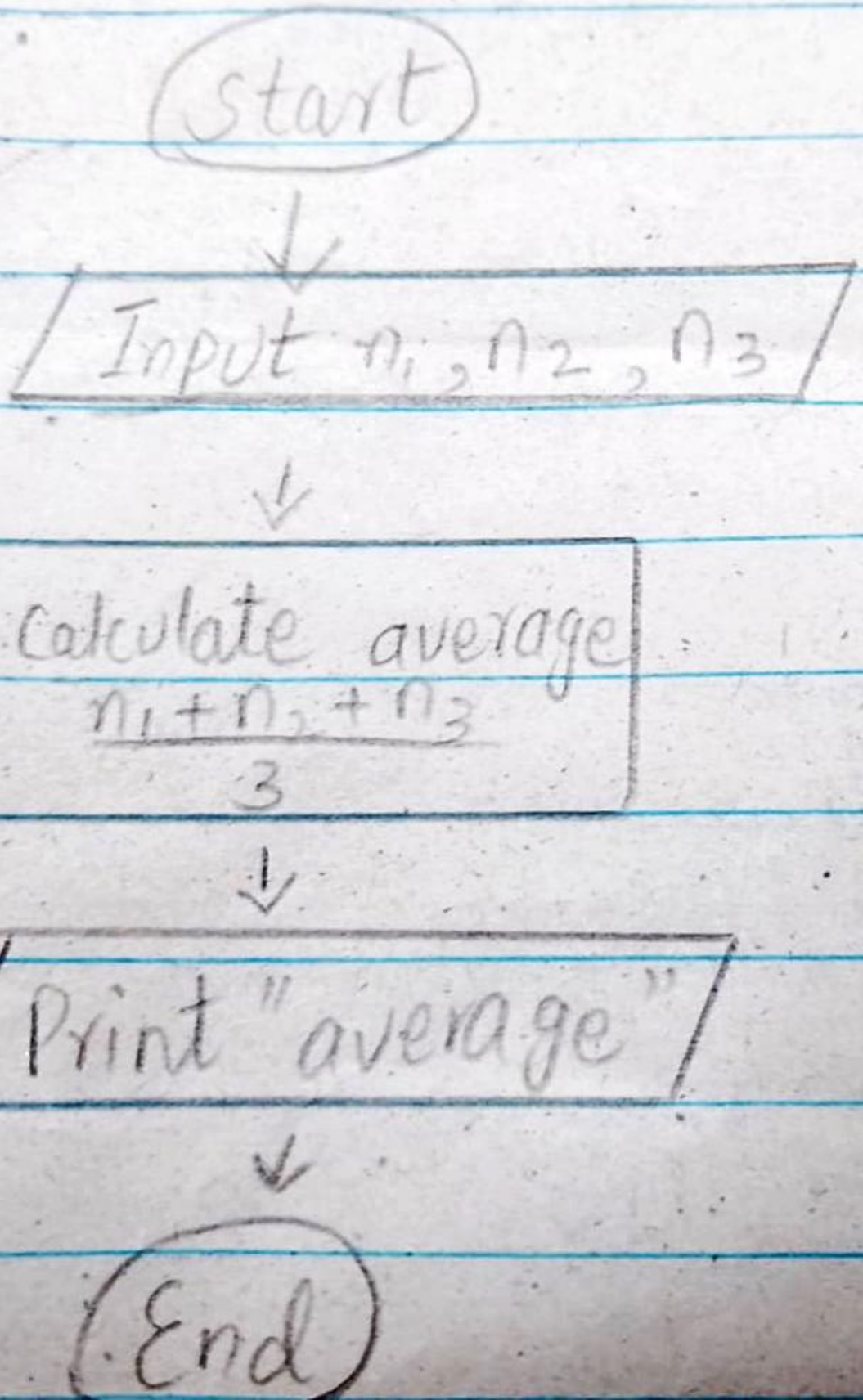
Q) Calculate the area of a rectangle given its length and width.



Q) Convert a temperature from Celsius to Fahrenheit.



8)


Start
Input n_1, n_2, n_3
Calculate average $\frac{n_1+n_2+n_3}{3}$
Print "average"
End