

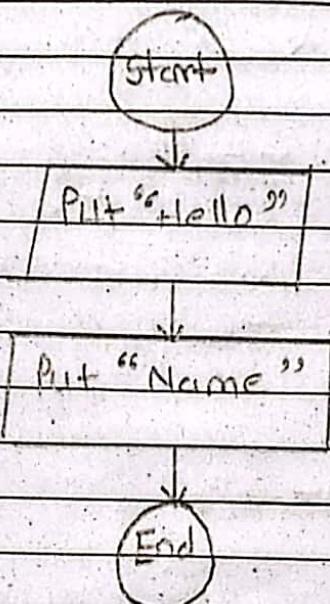
Logic Building

Assignment No.- 01

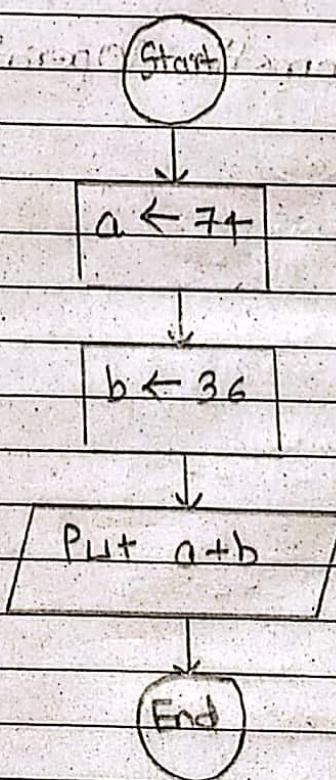
Date 17/02/2025
Page _____

→ Flowcharts of Assignment 1

Q1 Flowchart of Printing 'Hello' and 'My Name'.



Q2 Sum of two Numbers



Q3 Divide Two Numbers



$a \leftarrow 50$

$b \leftarrow 3$

$\text{Put } a/b$



Q4 Perform Arithmetic Operations



$a \leftarrow -5 + 8 * 4$

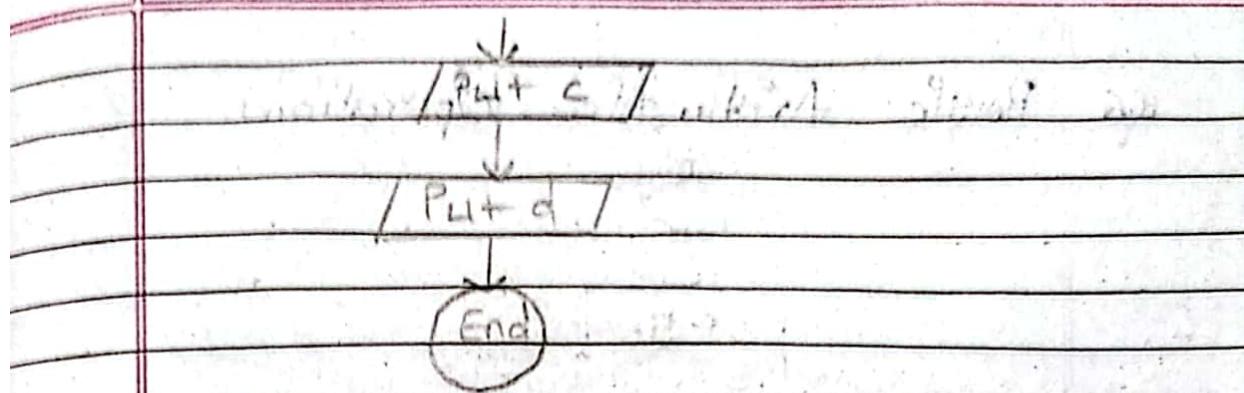
$b \leftarrow (\text{SEM})^{\text{mod}}$

$c \leftarrow 20 + (-3)^{*} 3 / 8$

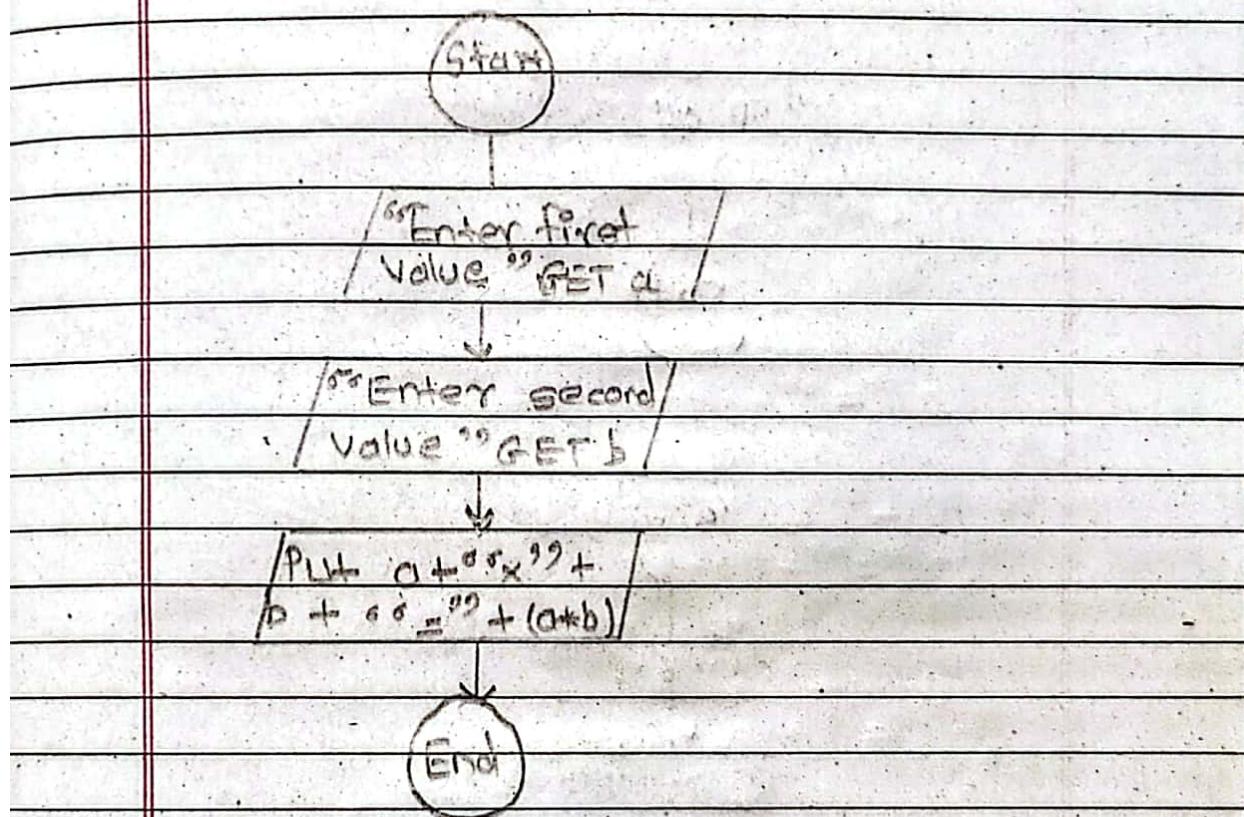
$d \leftarrow 5 + 15 / 3 + 2 - 8 \% 3$

$\text{Put } a$

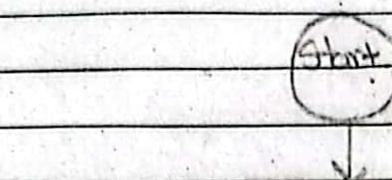
$\text{Put } b$



Q5 Multiply Two Numbers



Q6 Basic Arithmetic Operations



/ Enter First
Number "GET a" /

/ Enter Second
Number "GET b" /

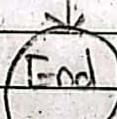
/ $P_1 \leftarrow a + b$
 $\leftarrow P_1 = a + b$ /

/ $P_1 \leftarrow a + b$
 $\leftarrow P_1 = a + b$ /

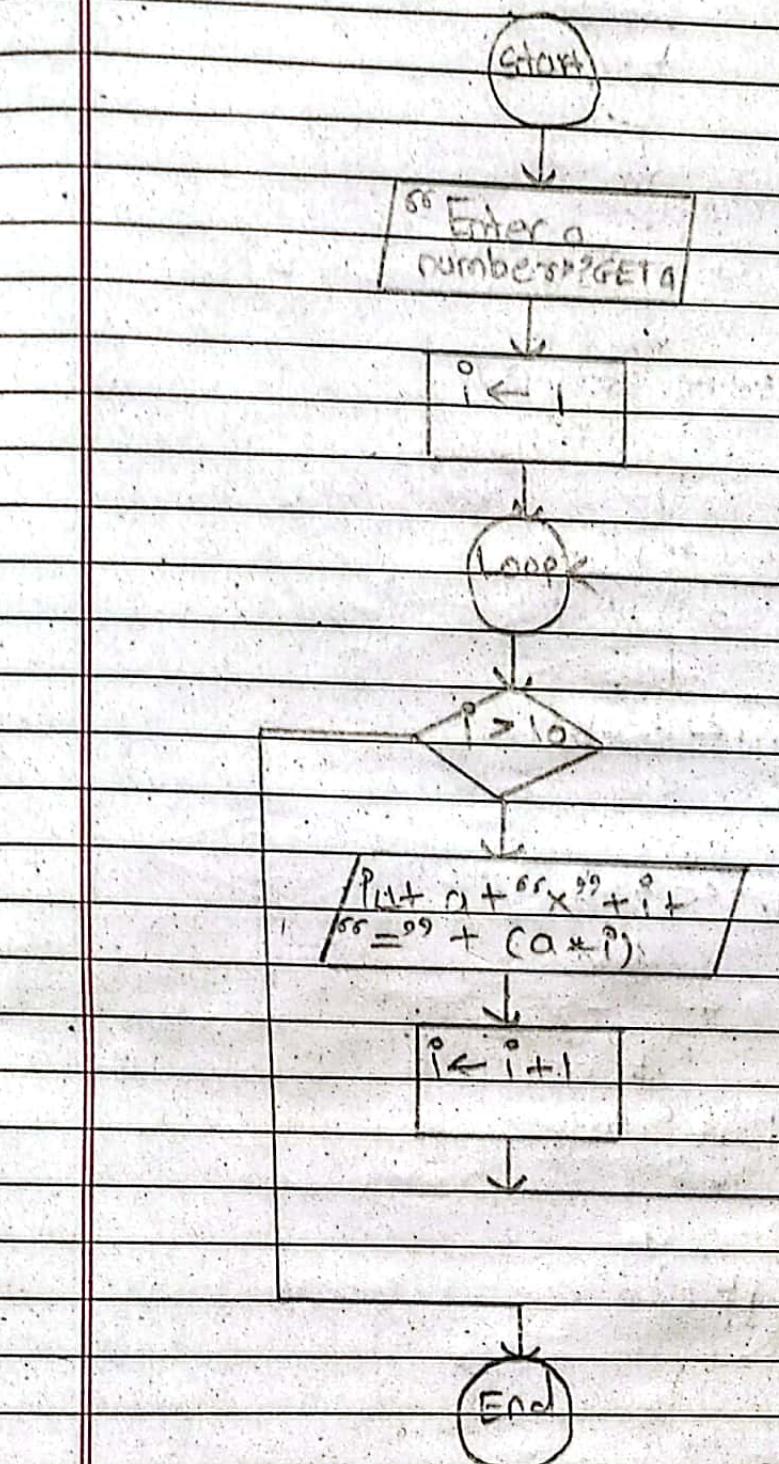
/ $P_1 \leftarrow a + b$
 $\leftarrow P_1 = a + b$ /

/ $P_1 \leftarrow a + b$
 $\leftarrow P_1 = a + b$ /

/ $P_1 \leftarrow a + b$
 $\leftarrow P_1 = a + b$ /



Q7. Multiplication table



Q8 Swap Two Numbers

(Start)

First Number : ?? GET a

Second Number : ?? GET b

Put "Before Swapping"?

Put "First Number" ? + a

Put "Second Number" ? + b

 $a \leftarrow a + b$ $b \leftarrow a - b$ $a \leftarrow a - b$

Put "After Swapping"?

Put "First Number" ? + a

Put "Second Number" ? + b

(End)

Q9 Calculate the Area of Circle

Start

$\pi \leftarrow 3.14159$

"Enter the
radius : "Get

/Put "Area of the
circle" +(Pi*r*r)/

End

Q10 Check Even or odd

Start

"Enter a
number : "Get a

Yes

$$x \% 2 == 0$$

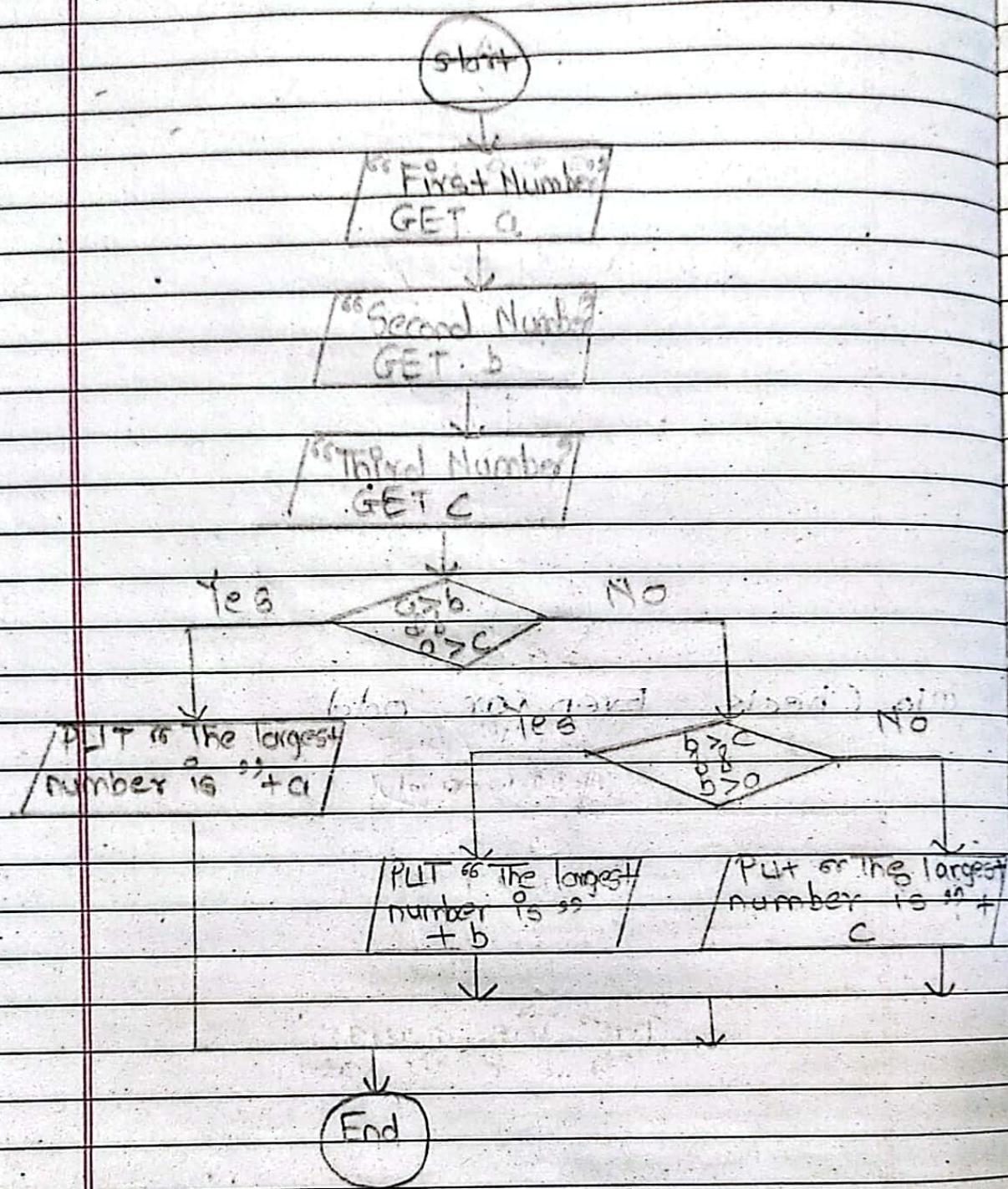
No

Put "The Number
 $+ x + 5$ is even"

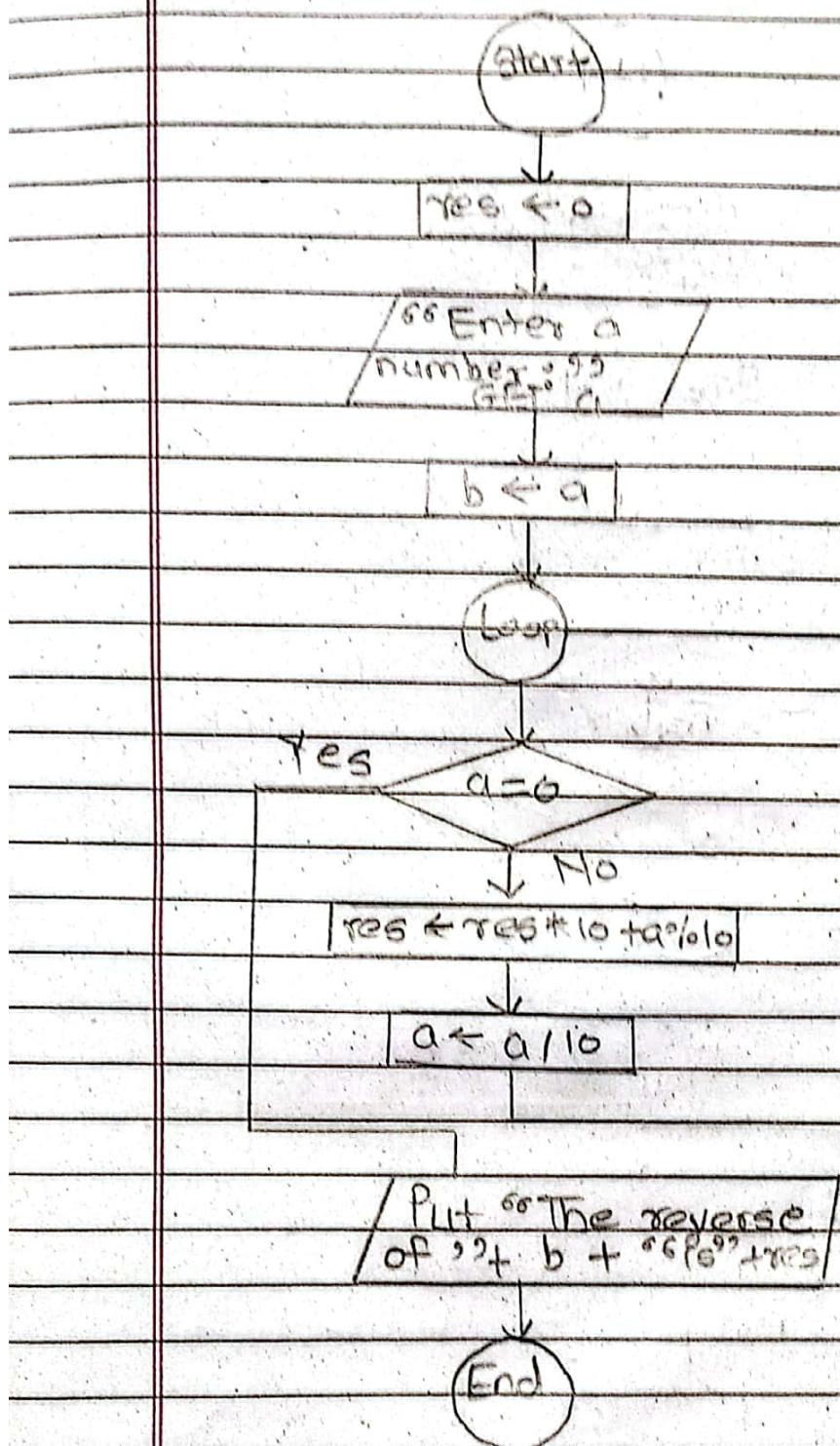
Put "The Number
 $+ x + 5$ is odd"

End

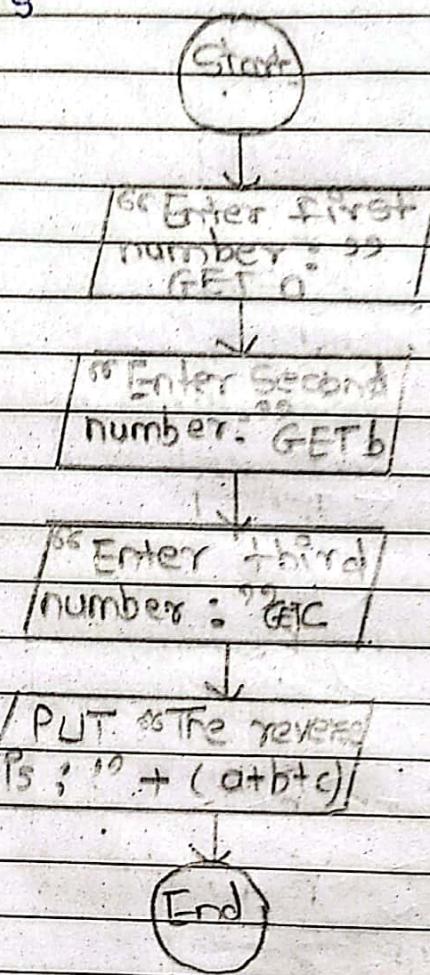
Q11 Find the Largest of Three Numbers



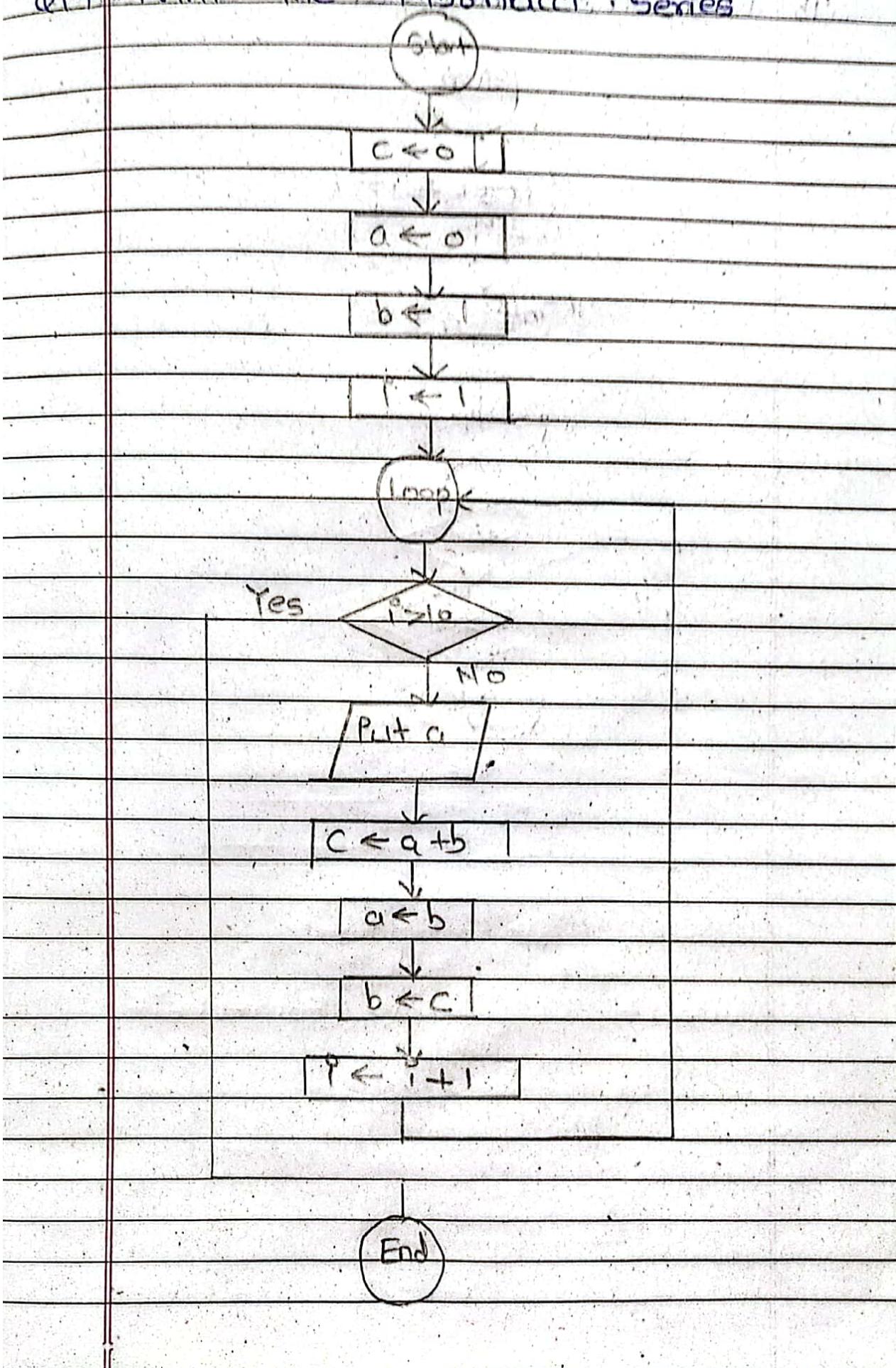
Q12 Reverse the Number



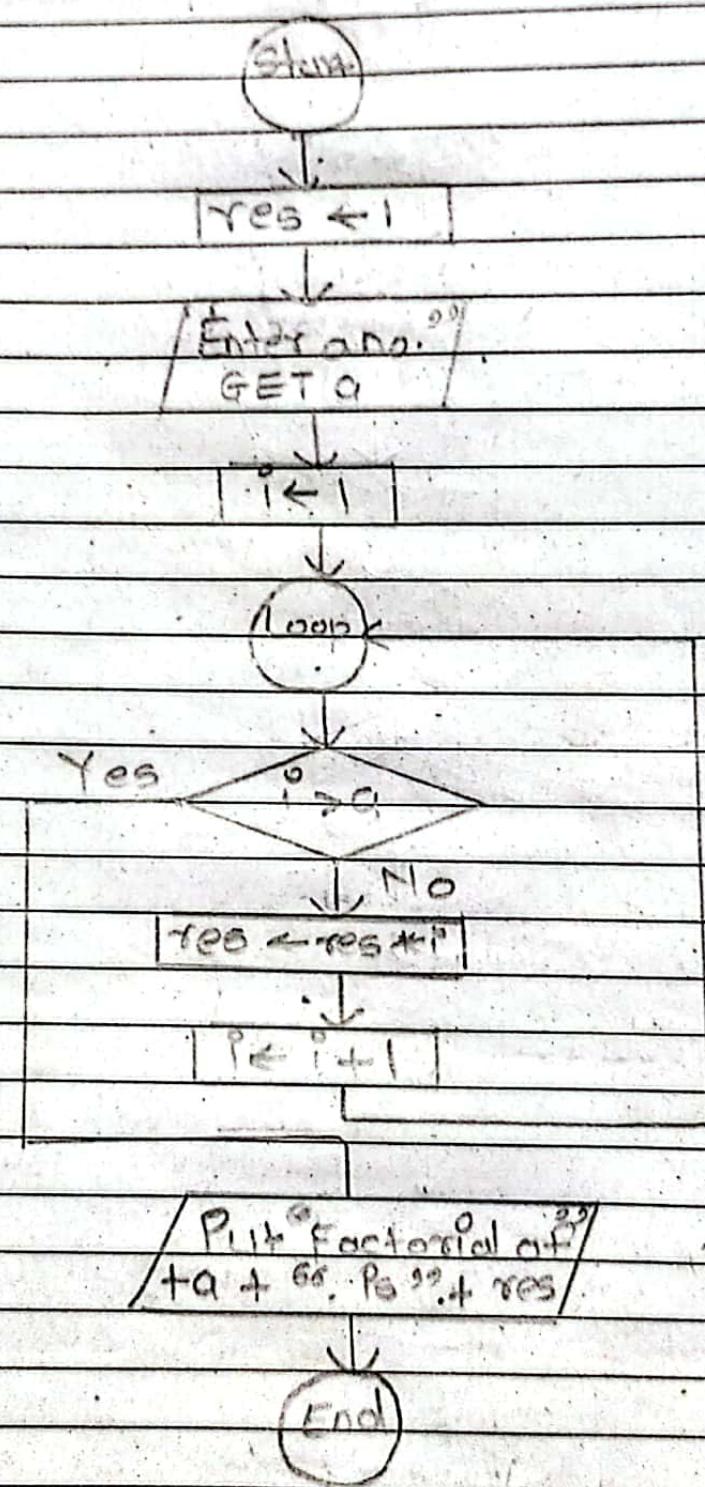
Q13 Calculate the Average of three Numbers



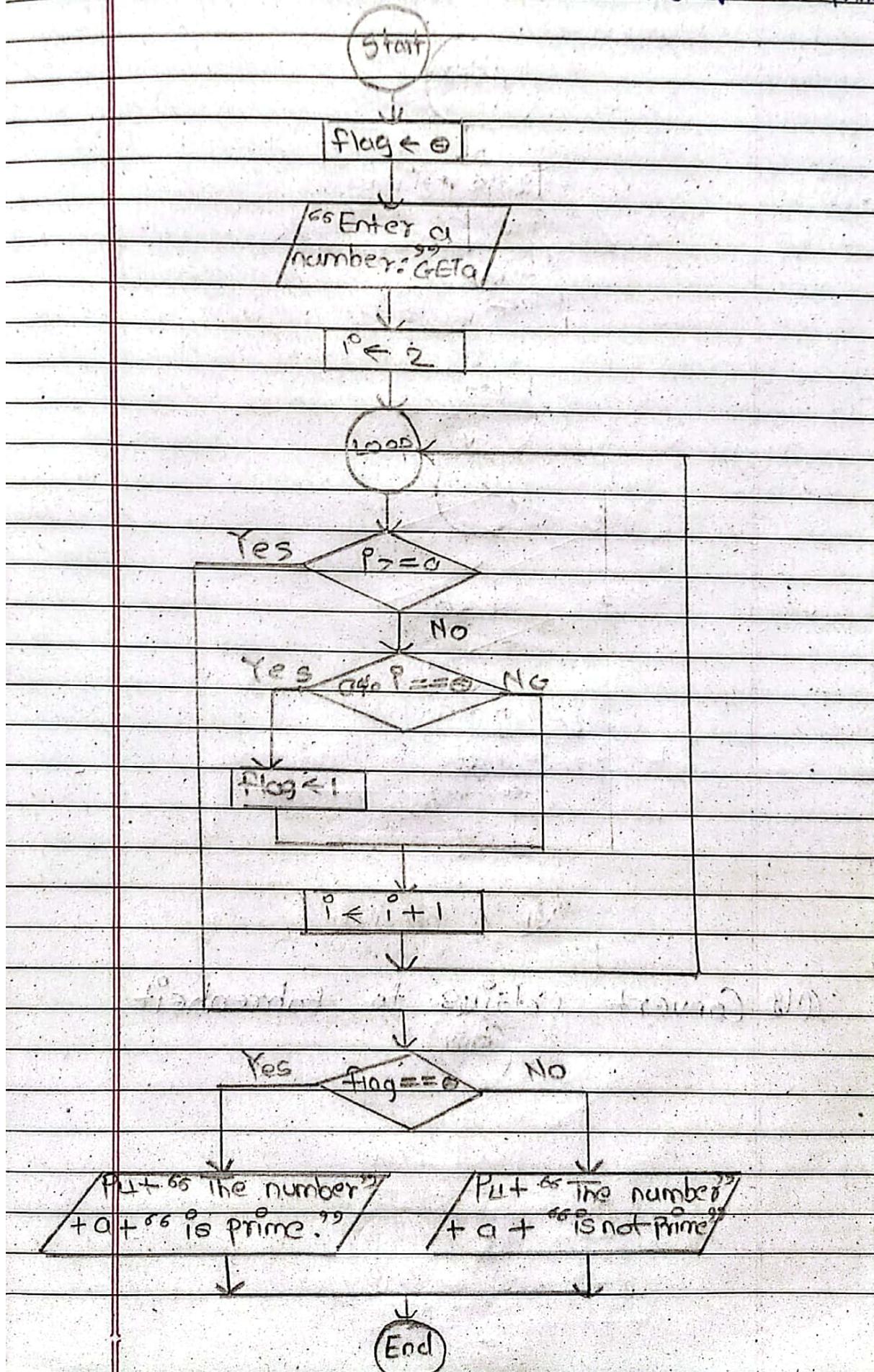
Q14 Print the Fibonacci Series



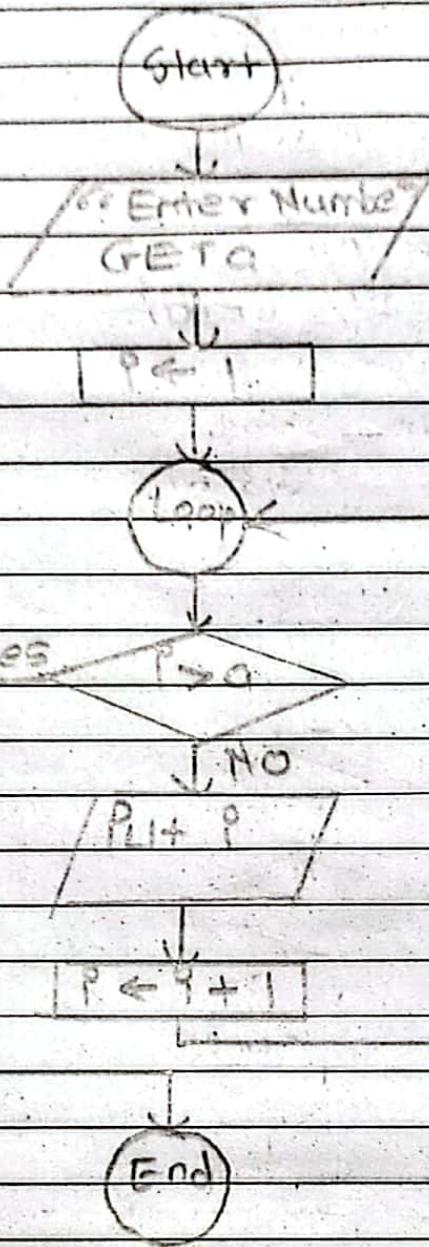
Q15 Find the Factorial of a Number



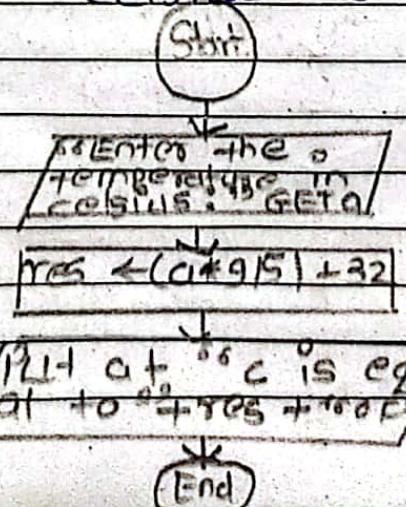
Q16 Check whether a Number is Prime



Q17 Print the First N Natural Numbers

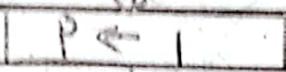


Q18 Convert Celsius to Fahrenheit



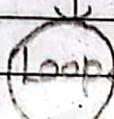
Q 19 Calculate the Power of Number

①



"Enter the
base : " GETa

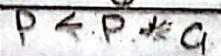
"Enter the
Power : " GETb



Tee

P = b

No



$P \leftarrow a + \text{Value}$
to Power "b" + is "P"

End

Q20. Count the Number of Digits in a Number

