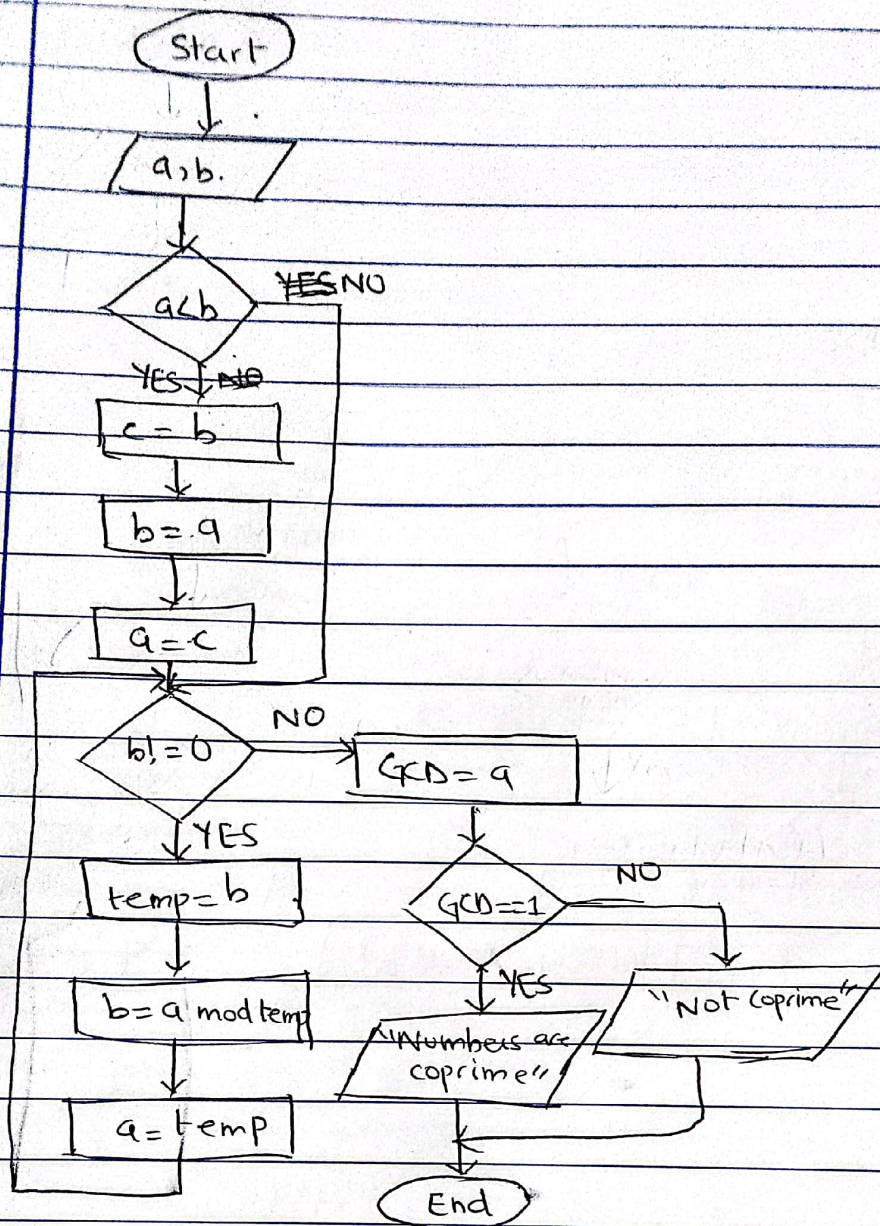


COPRIME

Date _____

Q11



IPO Chart

Input	PROCESSING	OUTPUT
Two Numbers a and b	If a is less than b then swap the values of a and b. While b is not equal to zero run loop and store b in temp then set b to a mod temp and store value of a to temp. If a \neq 1 then it is coprime.	The numbers are coprime or Not.

LUCKY
WRITE SERIES

Q11 Pseudo Code

START

INPUT Num1, Num2

IF $\text{Num1} < \text{Num2}$ THEN

 { temp = Num2

 Num2 = Num1

 Num1 = temp }

END IF

WHILE $\text{Num2} \neq 0$

 { temp2 = Num2

 Num2 = Num1 MOD temp2

 Num1 = temp2

 }

END WHILE

GCD = Num1

IF $\text{GCD} == 1$ THEN

 PRINT "Numbers are coprime"

EISE

 PRINT "Numbers are not coprime"

END IF

END