Date: _____

Problem 11 : No not optimus prime its coprime....

Understood : Have to check if two numbers are coprime and greater than zero.

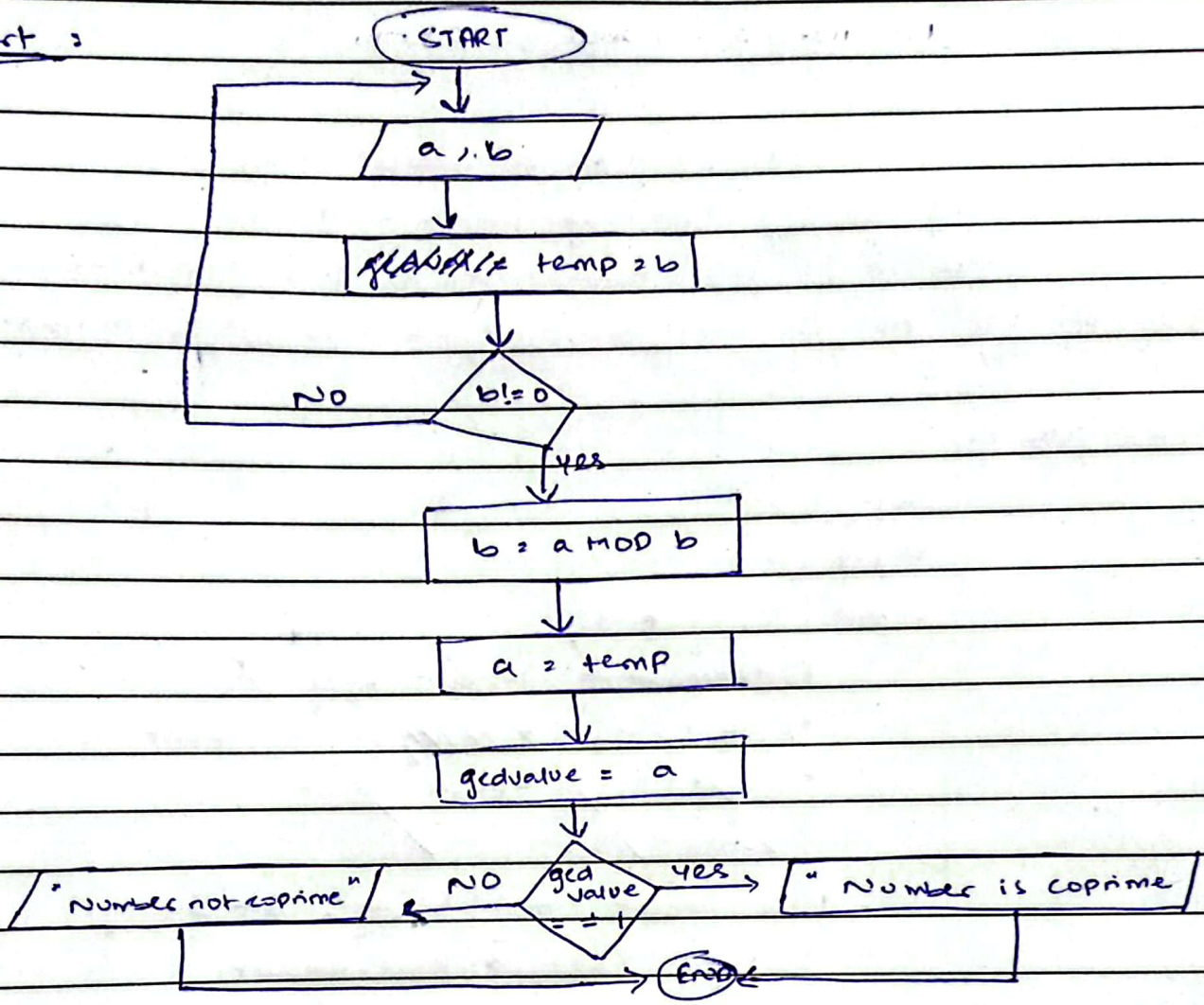
Solution : Cal GCD of the two Numbers using MOD function. If GCD is 1 than Numbers are coprime.

Pseudocode :

```
OUTPUT " Enter two Numbers"
INPUT a, b
FUNCTION GCD (a,b)
  WHILE b ≠ 0
    IF b > a
     temp = b
     b = a MOD b
     a = temp
  return b
    ENDIF
gcdval = GCD (a, b)
IF gcdval == 1 THEN
  OUTPUT "Numbers are coprime"
ELSE
    OUTPUT " Numbers are not coprime"
ENDIF
```

Date: _____

flowchart :



IPO Chart :

INPUT	Process	Output
- Take two number (that are non-zero non negative)	- Calculate GCD for them (both Numbers) - If GCD is 1 then the numbers are coprime else not.	- Numbers are coprime. - Numbers are not coprime.