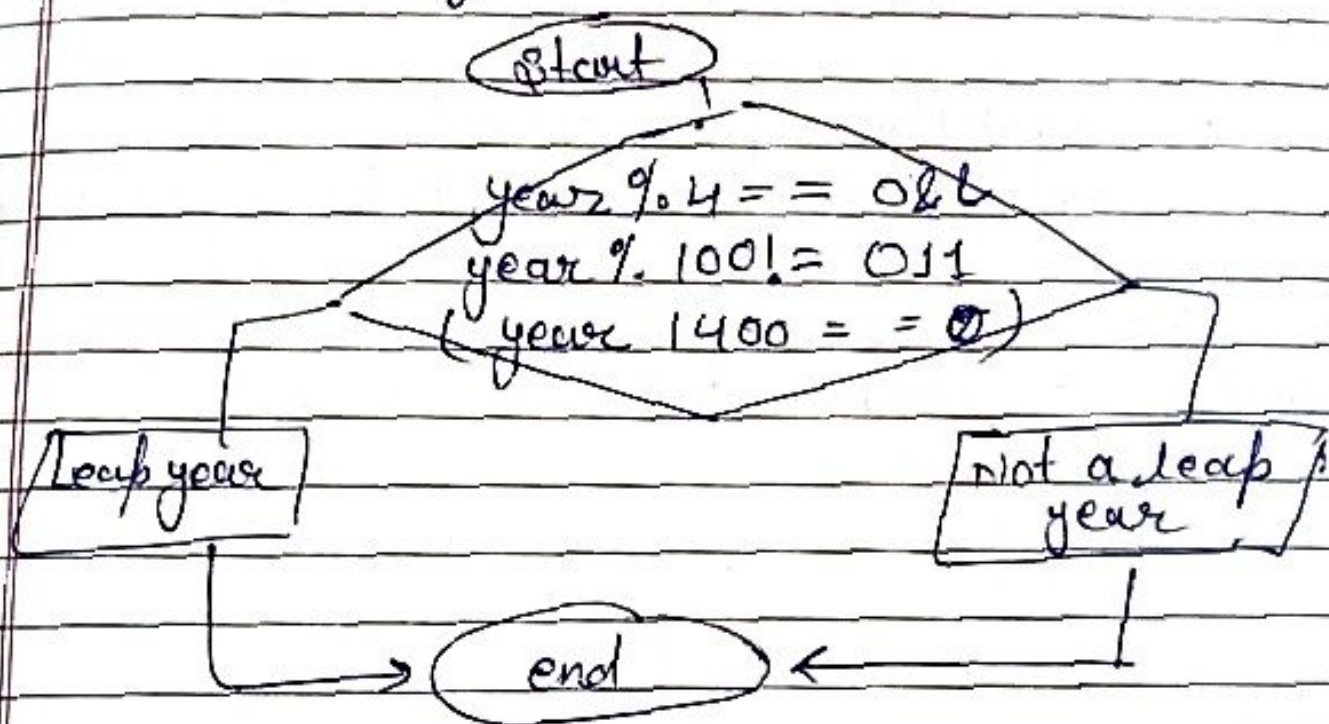


Assignment - 1

Create flowchart & pseudocode -

Input a year & find whether it is a leap year or not.



```
year = input("enter a year:")
if (year % 400 == 0) {
    print("This year is a leap year")
}
else {
    if (year % 100 == 0) {
        print("This is not leap year")
    }
    else {
        if (year % 4 == 0) {
            print("This is leap year")
        }
    }
}
```

(2)

```

else {
    print ("This year is not leap")
}
}

```

Ques 2 Take two numbers and print the sum of both.

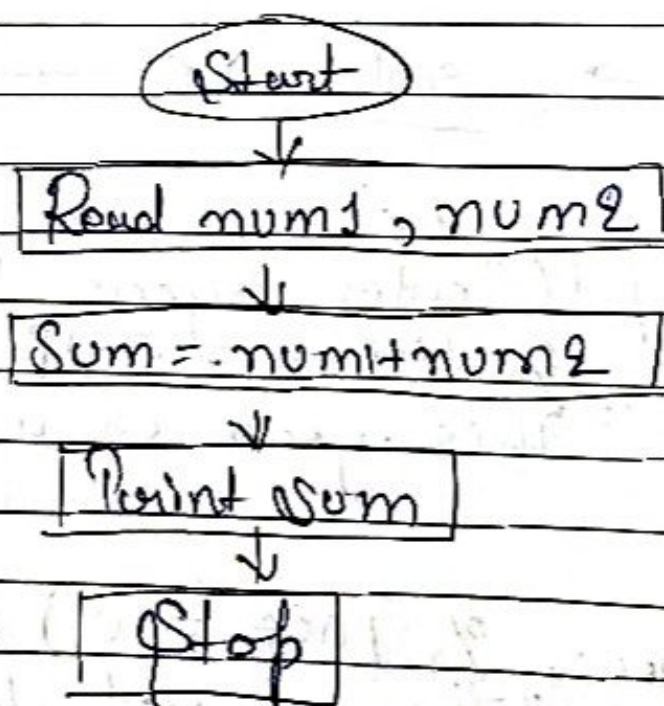
```

num1 = input("enter first number")
num2 = input("enter second number")
num3 = num1 + num2
Print = (num3)

```

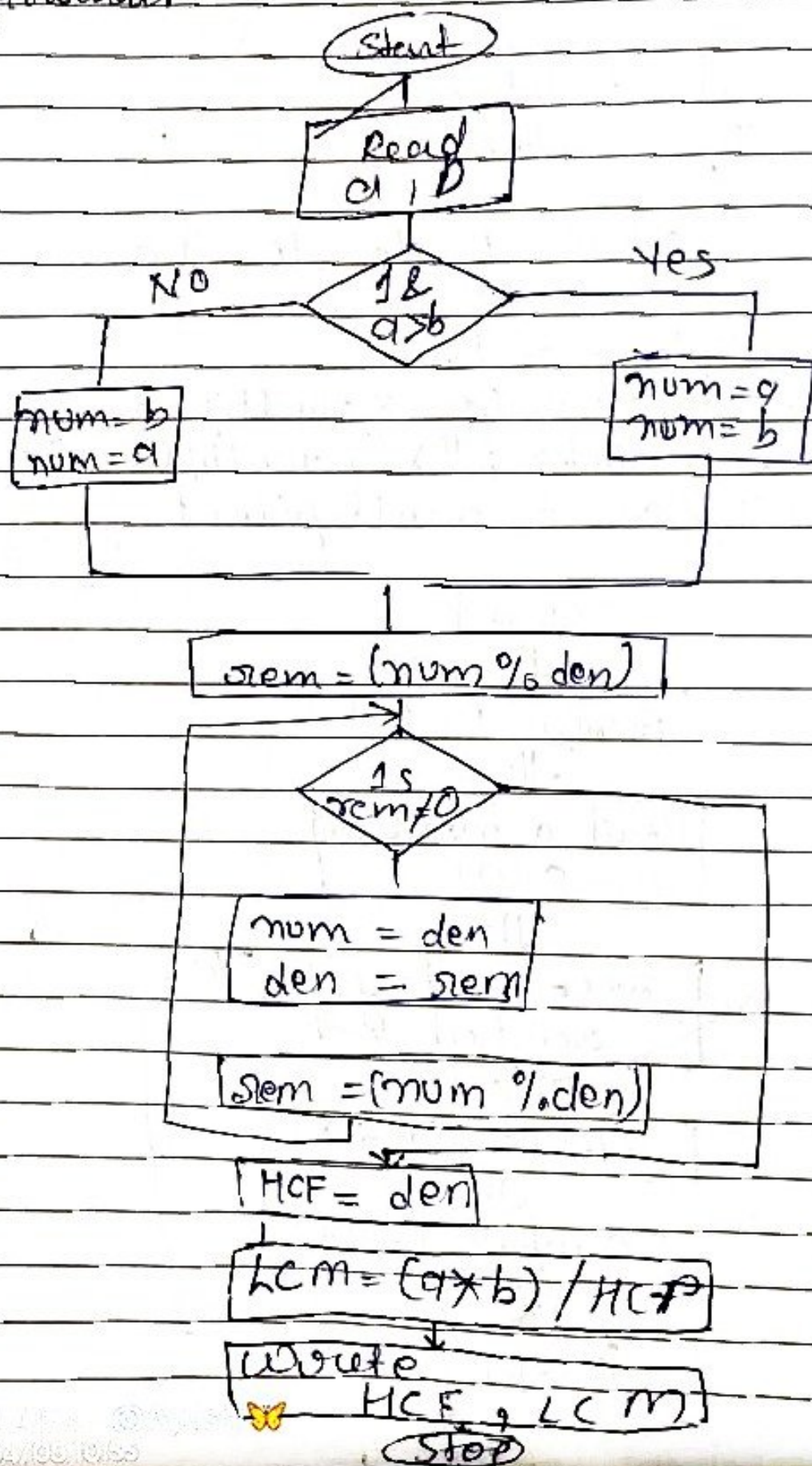
Pseudocode

Flowchart



Q4 Take 2 numbers as input & find their hcf & lcm

flowchart



Pseudo Code -

BEGIN

NUMBER n_1, n_2 & lcm;

OUTPUT "Enter first number";

INPUT n_1

OUTPUT "Enter second number?";

INPUT n_2

$\text{lcm} = (n_1 > n_2) ? n_1 : n_2$;

WHILE (true) THEN

IF ($\text{lcm} \% n_1 == 0$ & $\text{lcm} \% n_2 == 0$) THEN

OUTPUT "The LCM of " n_1 " and " n_2 " is
" lcm ;"

BREAK WHILE;

END IF

++ lcm;

END WHILE

END



Q.3

Take a number as input and print the multiplication table for it.

Pseudo Code -

Declare number : Integer

Declare multiplier : Integer

Input number

For Counter FROM 1 to 10 Do

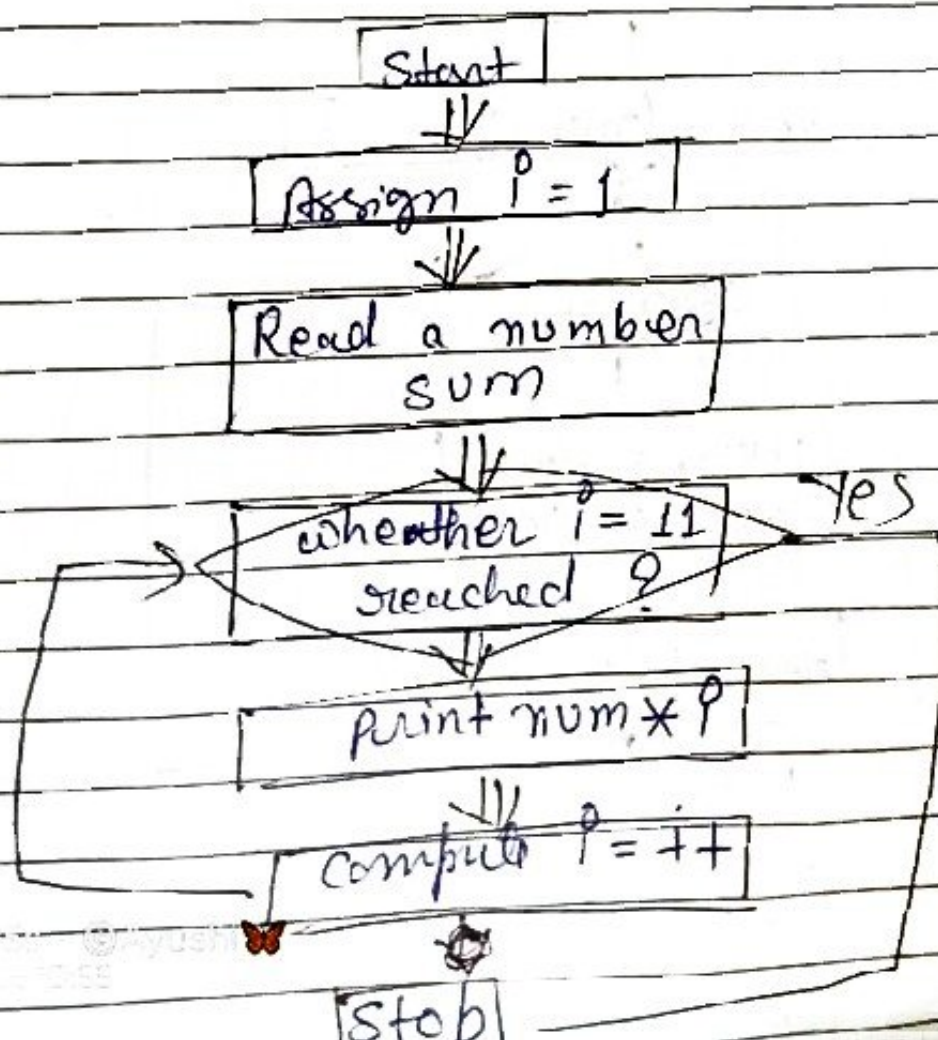
multiplier = 1

while multiplier \leq 10:

product = number \times multiplier

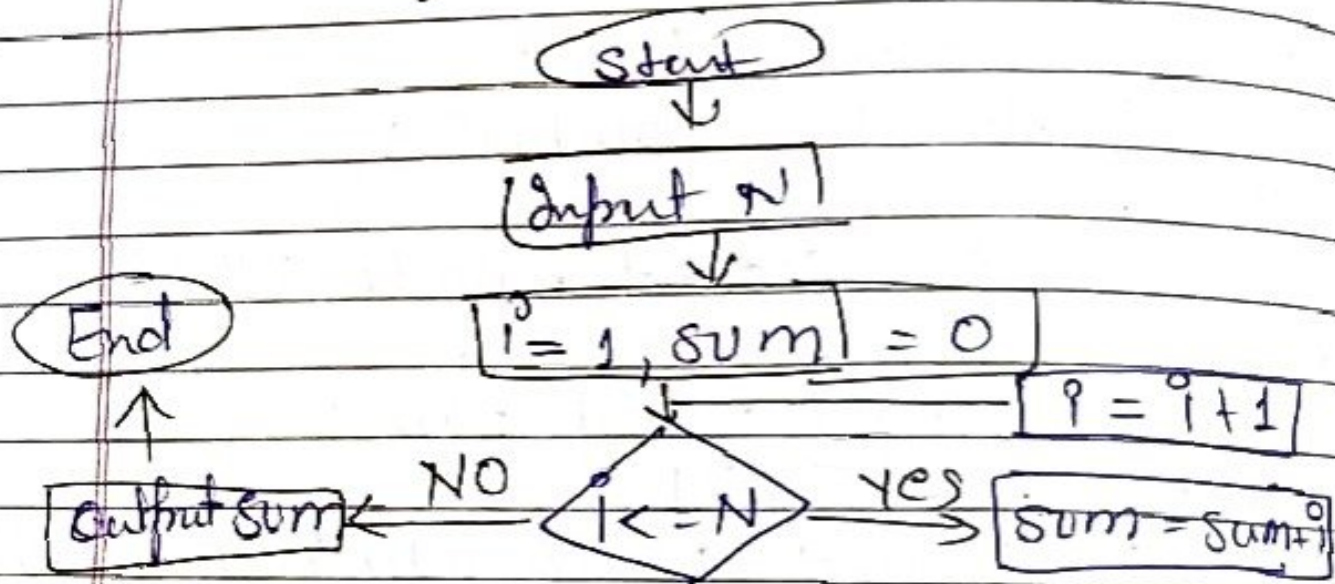
print(number, "x", multiplier, "=", product)

multiplier = multiplier + 1



Ques

Keep taking numbers as inputs till the user 'X' after that Print sum of all



PseudoCode:-

```

Start
Input a
x = 0
While a != X
    b + a = 0
    Input a
    
```

Output b
 Stop

