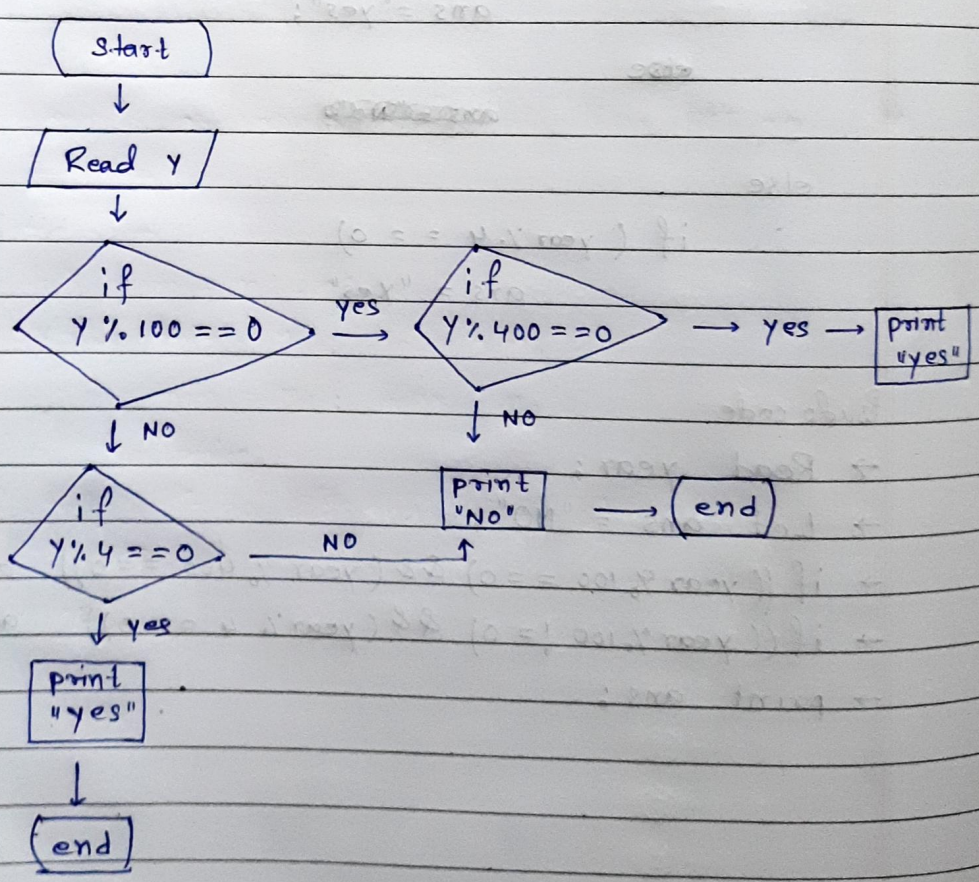
① Psudocode to check if a year is leap-year or not ?

Input : A year Y;
Output : "yes" or "NO";

```
1.  if (y % 100 == 0)
2.      if (y % 400 == 0)   Print "Yes"
3.      else                Print "NO"
4.  Else
5.      if (y % 4 == 0)     Print "Yes"
6.      else                Print "NO"
```

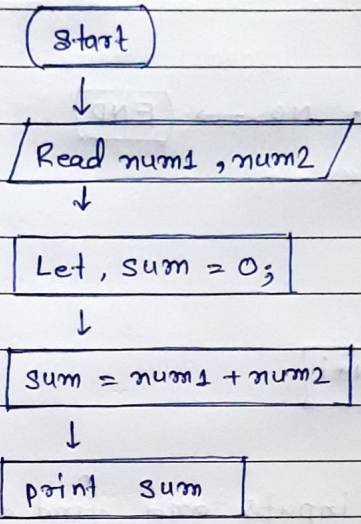
Flow-chart to check if a year is leapyear or not ?



② Psudocode to Take two numbers and print the sum of both.

Input : num1 and num2;
1. print (num1 + num2);

Flowchart of Take two numbers and print the sum of both.

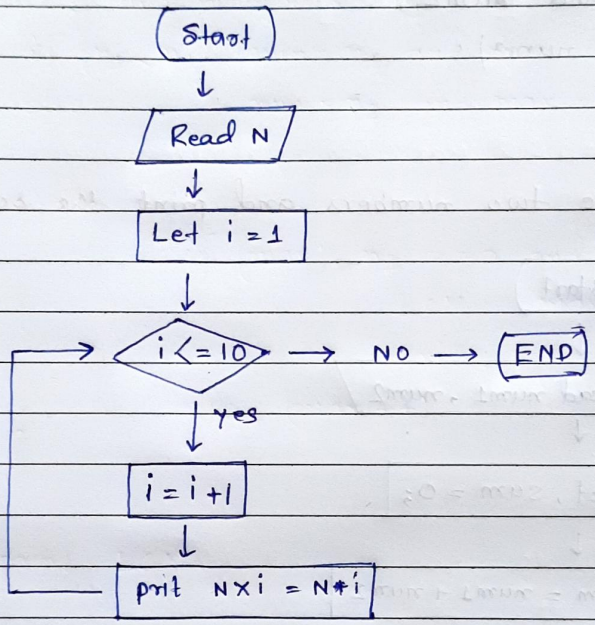


③ Psudocode Take a number as input and print the multiplication table of it :-

Input : A number n;

1. For i = 0 to 9
   print " n x i " = n * i

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



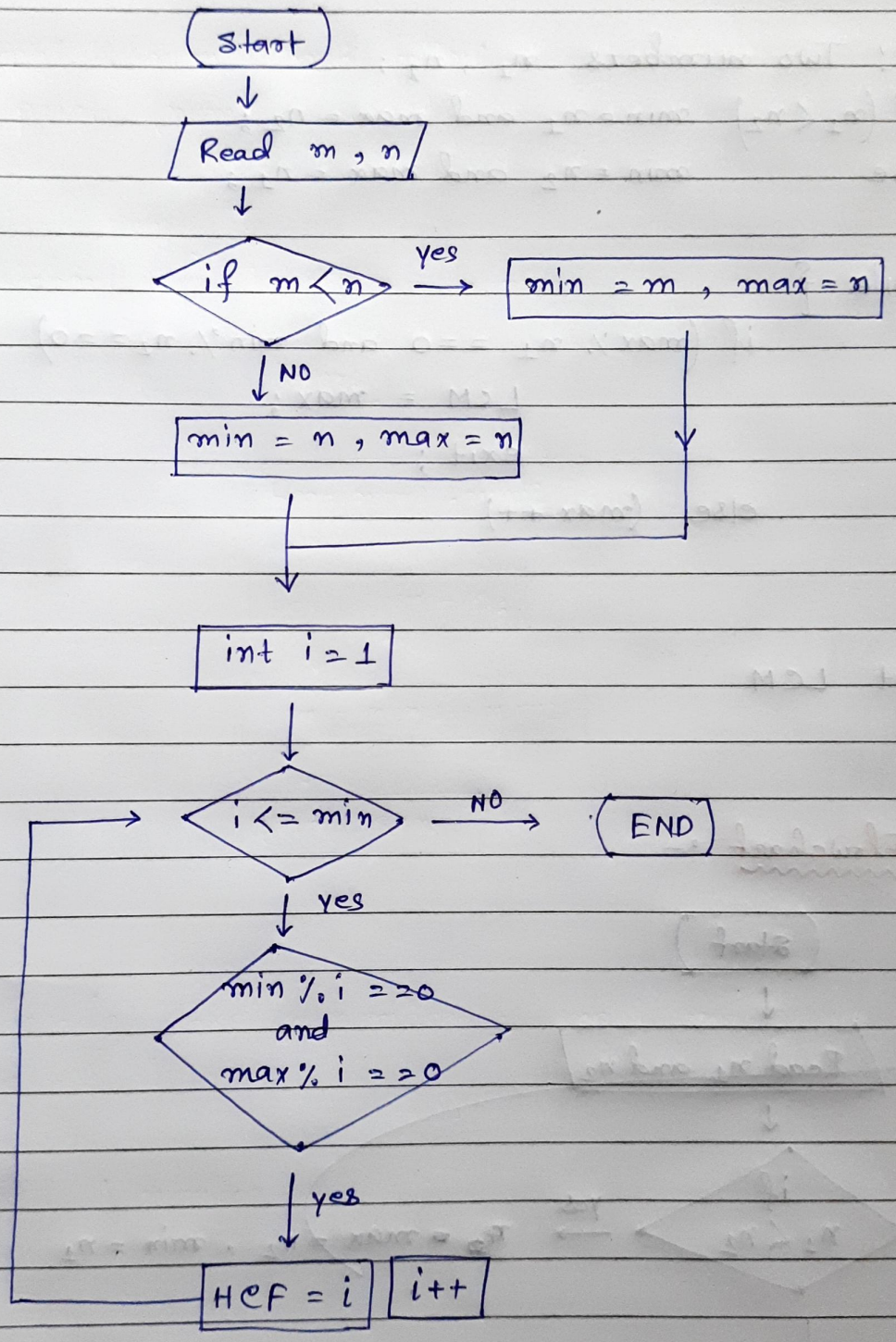
④ Take two numbers as inputs and find their HCF and LCM

HCF

Input: Take two num, n1, n2;

1. if ($n_1 > n_2$) min = n_2; max = n_1;
2. else min = n_1; max = n_2;
3. for i = 1 to min
   if (min % i == 0 && max % i == 0)
   HCF = i
4. Print HCF

HCF Flowchart :-



LCM Pseudocode:-

Input : Two numbers n_1, n_2 ;

1. if ($n_1 < n_2$) min = n_1 and max = n_2 ;
2. else min = n_2 and max = n_1 ;

3. While {

if (max % n_1 == 0 and min % n_2 == 0)

LCM = max ;

exit ;

else (max ++)

}

4. print LCM

LCM Flowchart :-