

Assignment 1

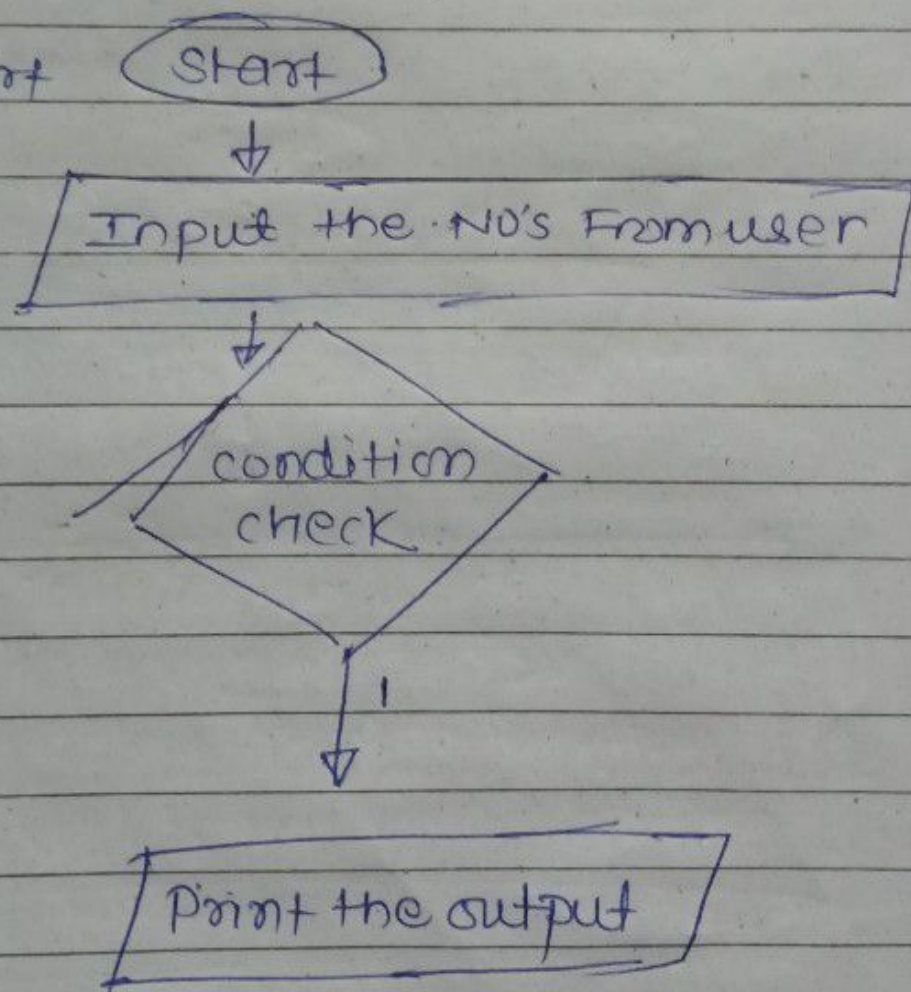
Page No.

Date :

1. check the given Number's is Even or odd.

- :-
- Step 1: Start the program
 - 2: Input from the user's
 - 3: check given No with condition i.e. with % operator.
 - 4: print the output.

Flowchart



2. Write a Java program to find the factorial of given number:

:- Algorithm:

Step 1: start the program

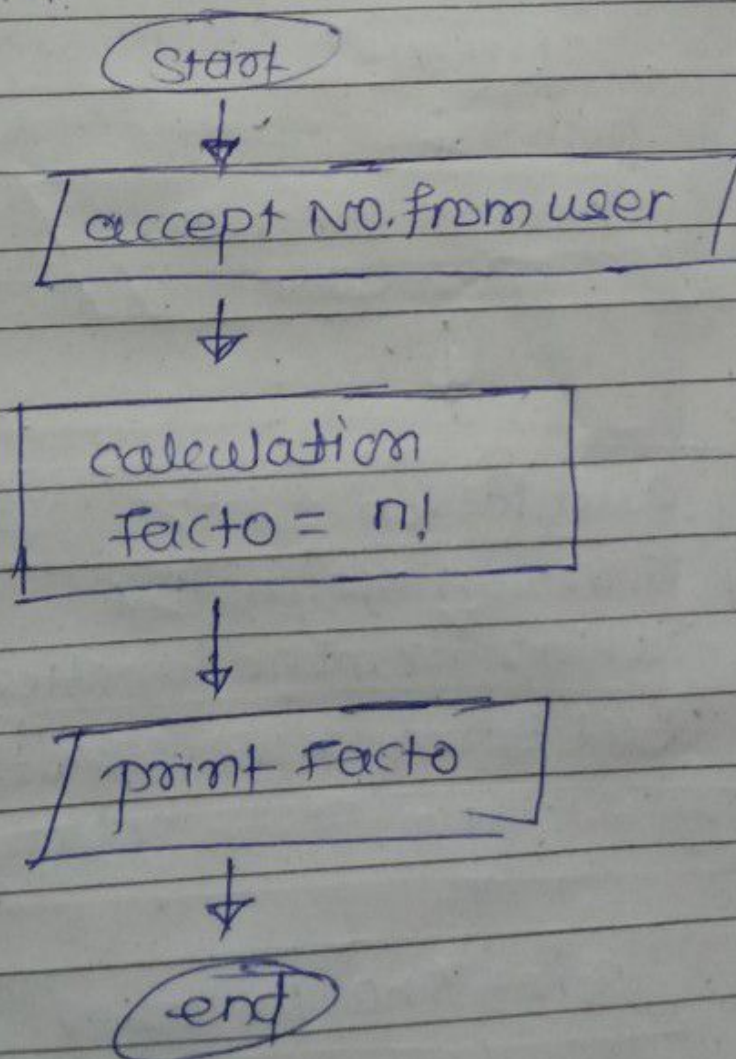
2: Input no's

3: calculation for factorial

factorial = $n!$

4: print (factorial).

Flowchart



3. Find the factorial of a number using recursion.

:- Algorithm

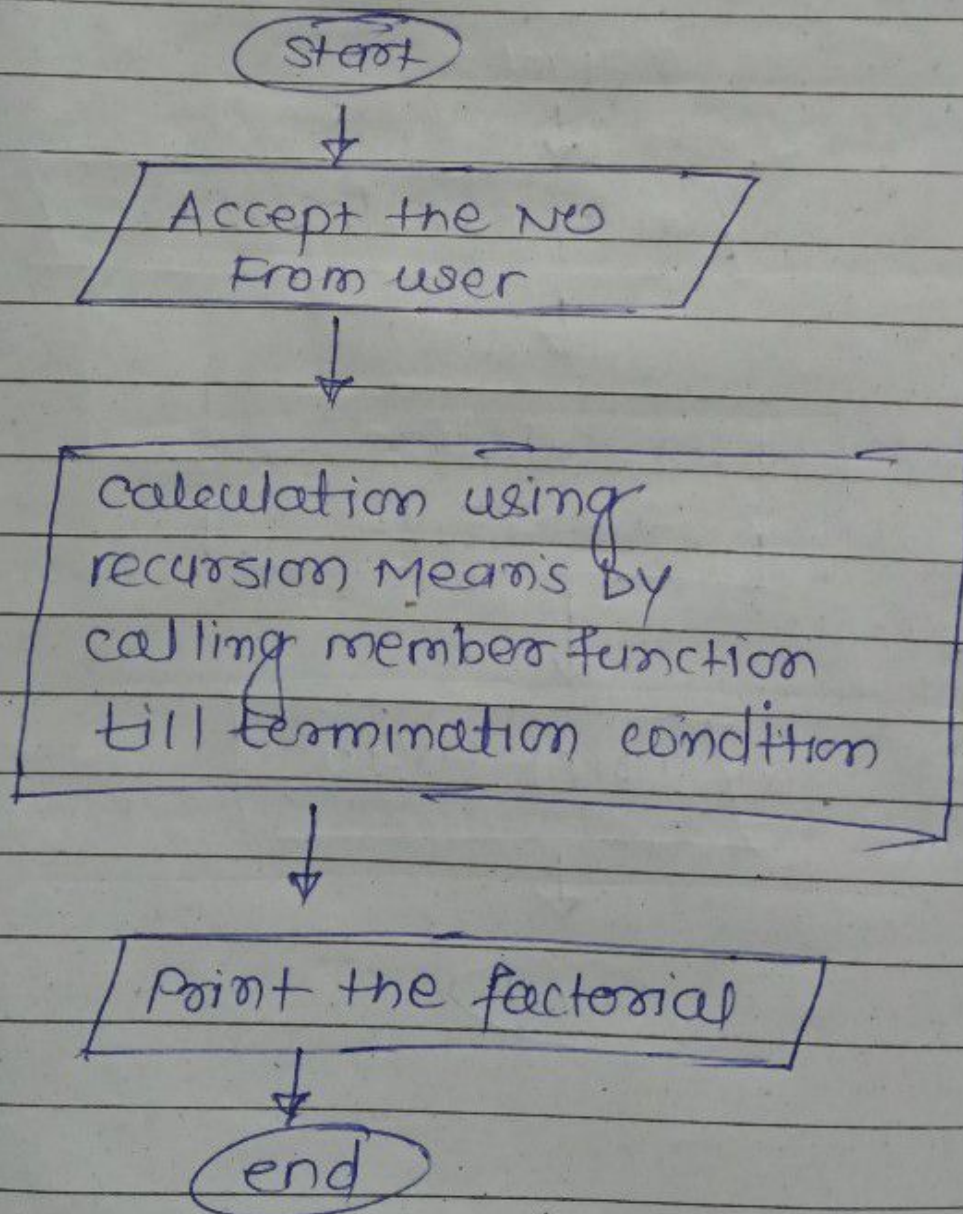
Step 1: start the program

2: Accept No. from user

3: calculate factorial using recursion.

4: print factorial.

Flowchart



4. swap two No's without using third variable
Algorithm:

Step 1: start the program

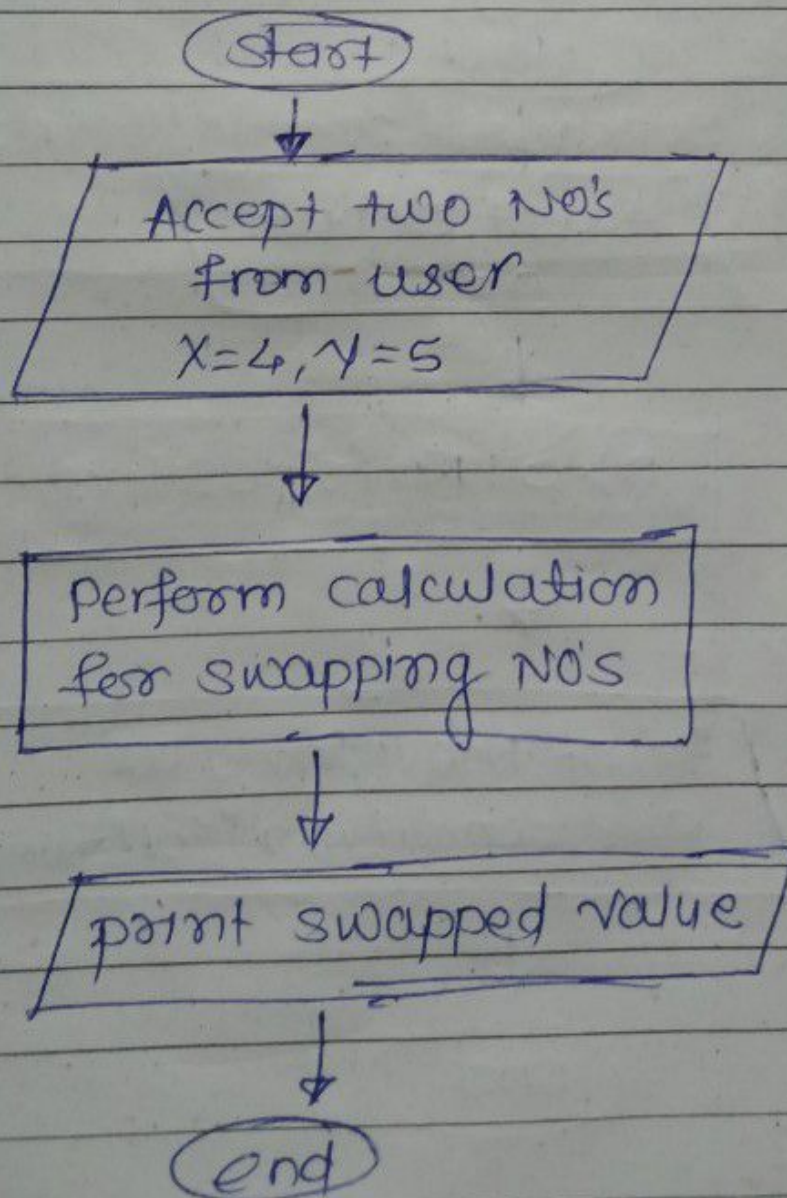
2: Accept two No's from user

$X = 4, Y = 5,$

3: statements for swapping No's
i.e. $Y = 4, X = 5.$

4: Print the swapped value of x & $y.$

Flowchart



5. How to check given no is positive or Negative

3- Algorithm:

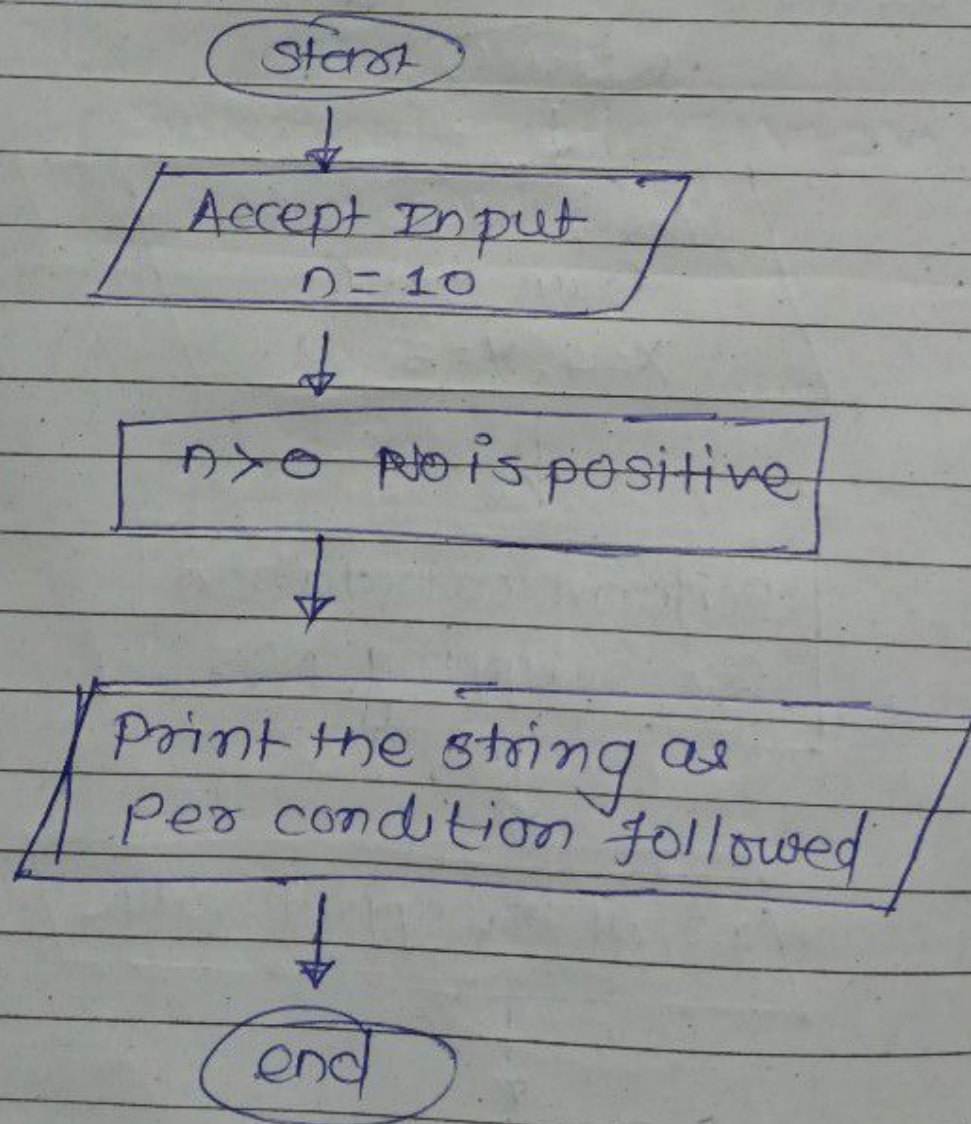
Step 1: Start the program

2: Accept No. from user $n =$

3: check condition if $n > 0$
or $n < 0$

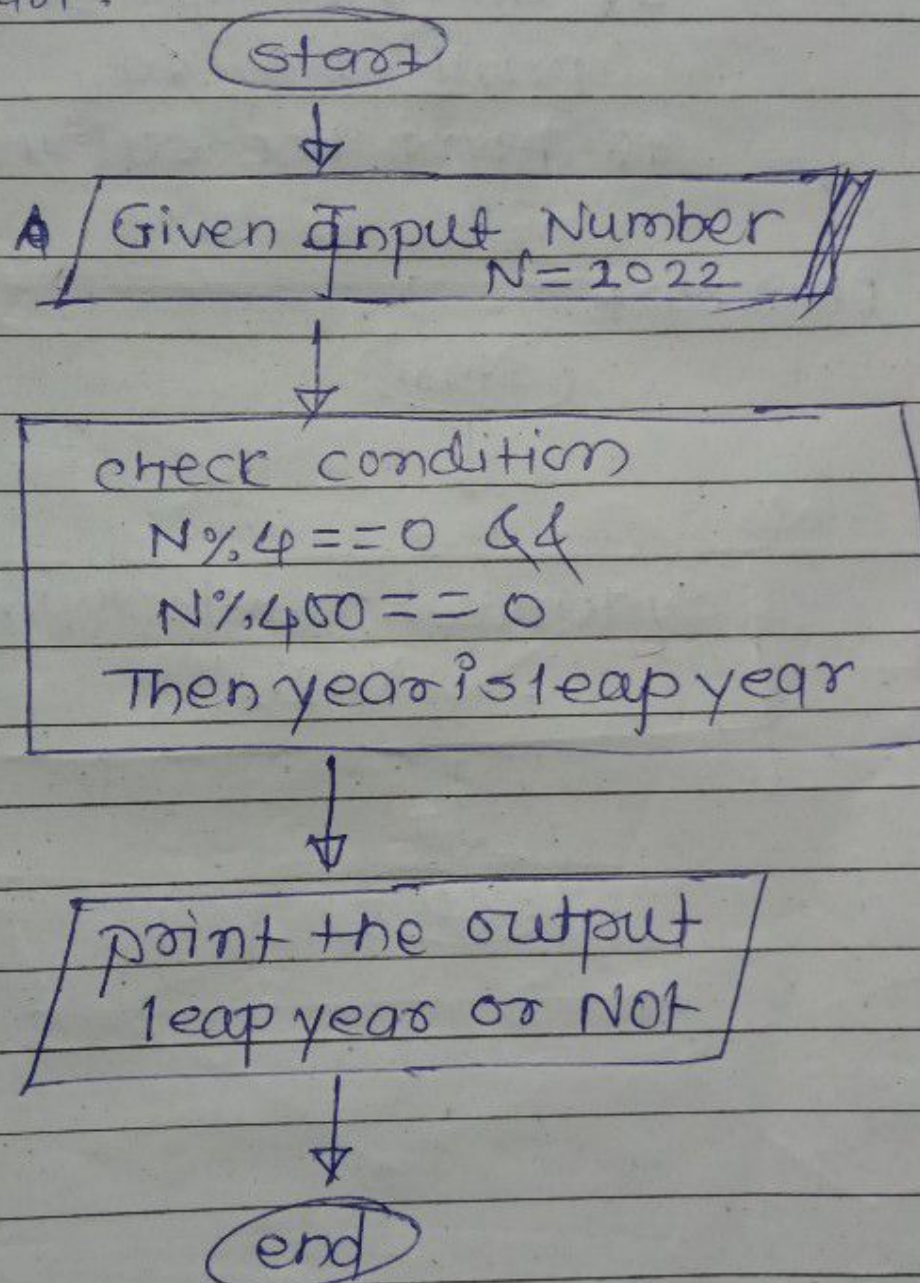
4: Print as per condition.

Flowchart :-



6. KAP to find wheather given year is Leap year or not.

Flowchart:



7. WAP to print without using loop's.

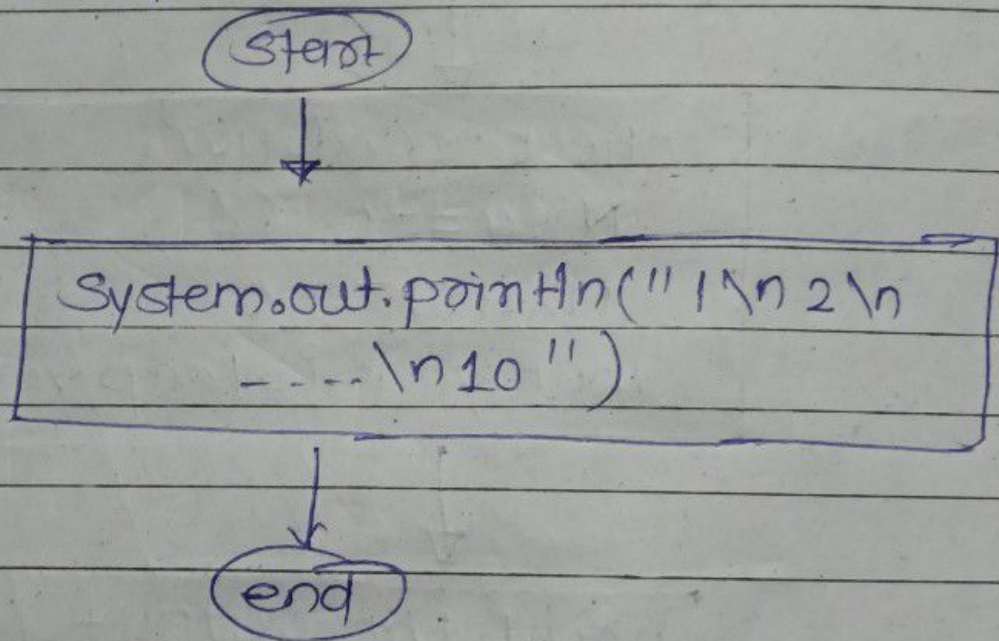
:- Algorithm:-

Step 1: start the program

2: using escape sequence \n
print 1 to 10

3: print the output.

Flowchart



8. Write a program to print the digits of given No.

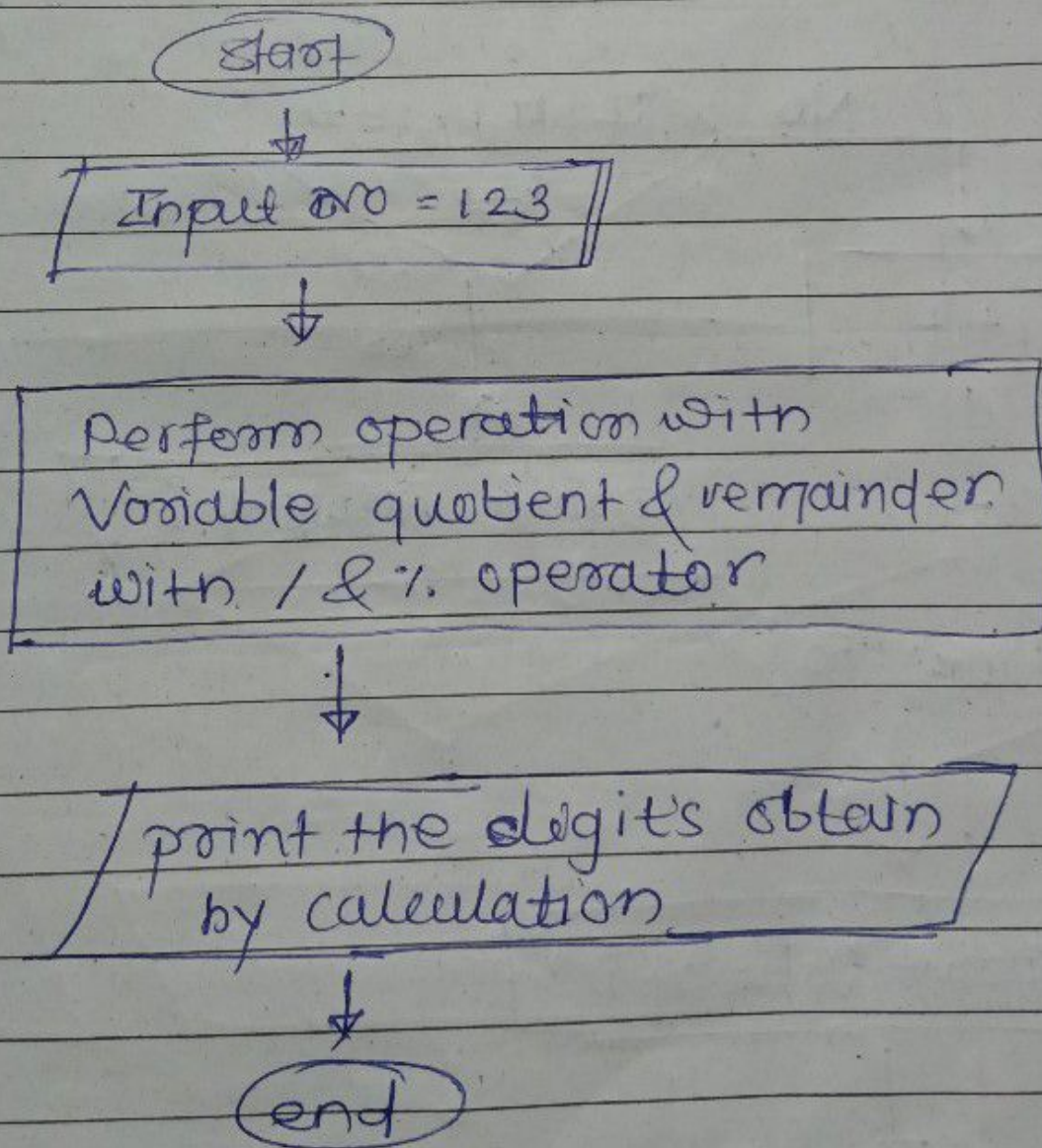
:- Step 1: Start the program

2: Accept the No. from user
 $N = 123$

3: - Perform operation

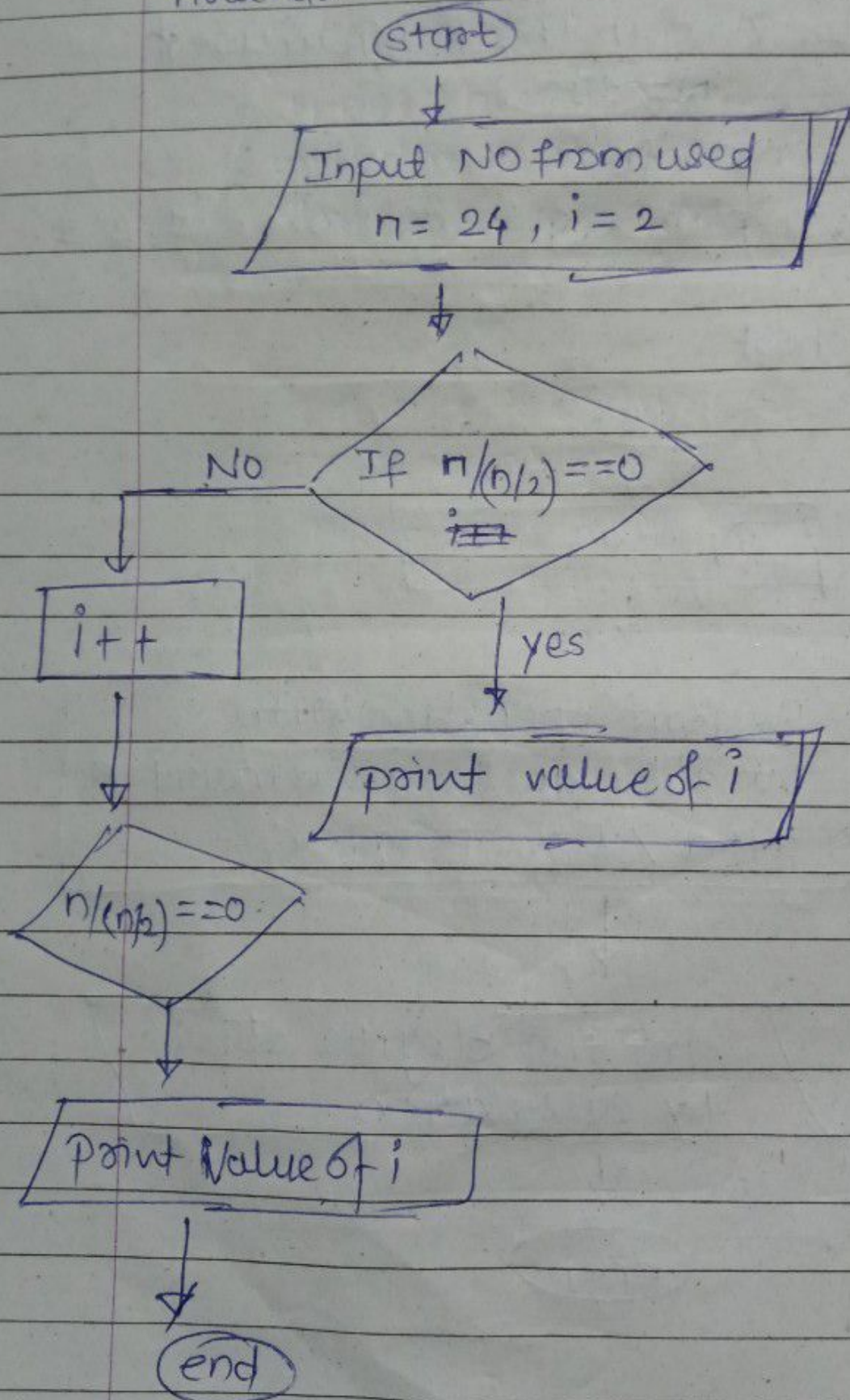
4: print digits of No. i.e. 1 2 3

Flow chart.



9. Write a program to print all the factors of given program.

Flowchart:



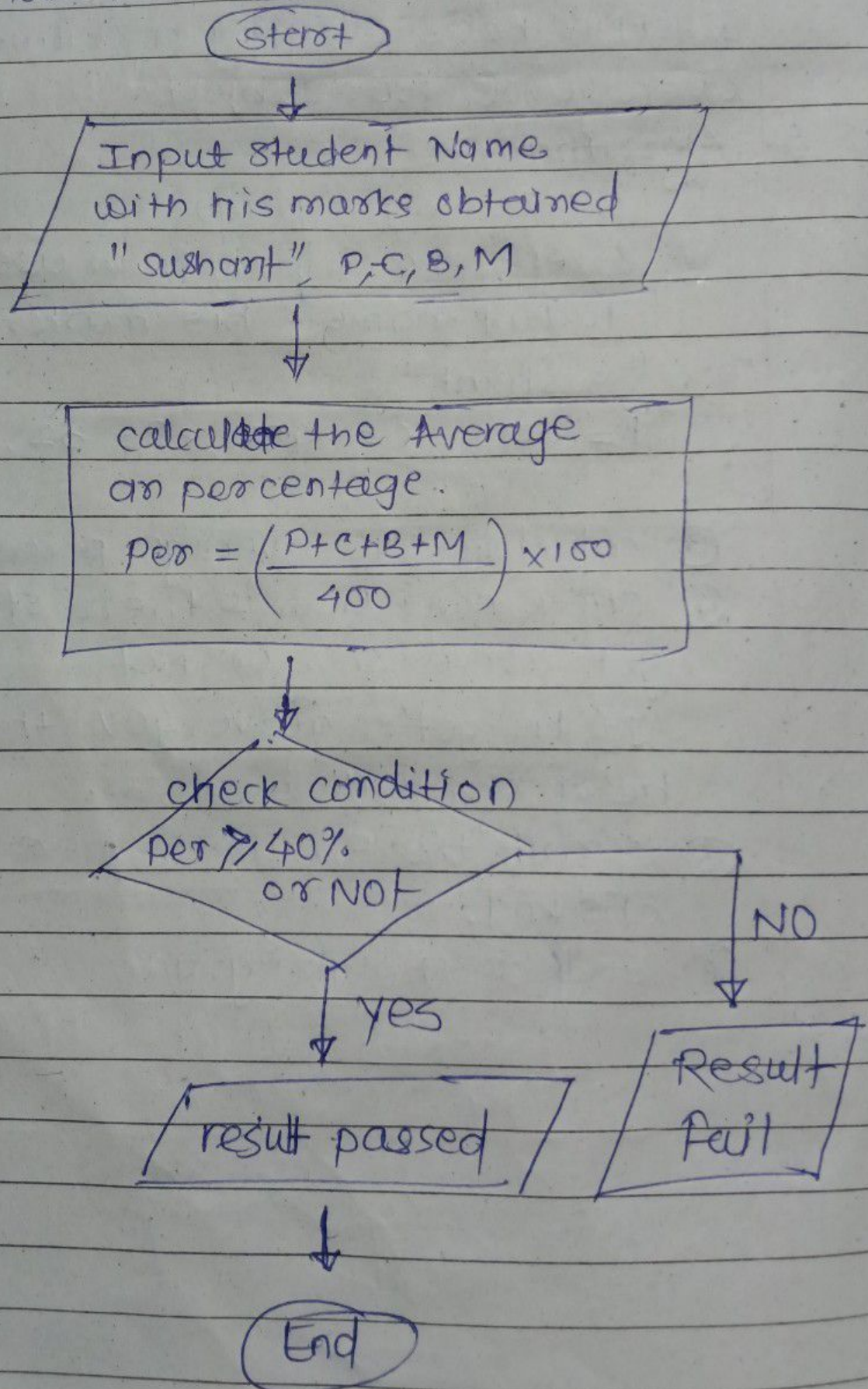
★ Homework:-

1. Write a Algo / Flowchart to determine student final Grade and indicate whether he is passing or failing with average of four subject

:- Algorithm:-

- ① Start the program
- ② Accept the input from user with student name & his marks
"sushant"
 $P = 60$, $C = 45$, $B = 52$, $M = 55$
- ③ calculate the average percentage
- ④ check condition is there student get above 40% or Not
If he gets above 40% then only he or she will be pass.
- ⑤ print the Result as per condition checked.
- ⑥ End of the program.

Flowchart:



2. Write a Algo or Flowchart to post a letter.

:- Algorithm:

Step ① : start

: Write a letter

: Ask ~~for~~ whom it should be

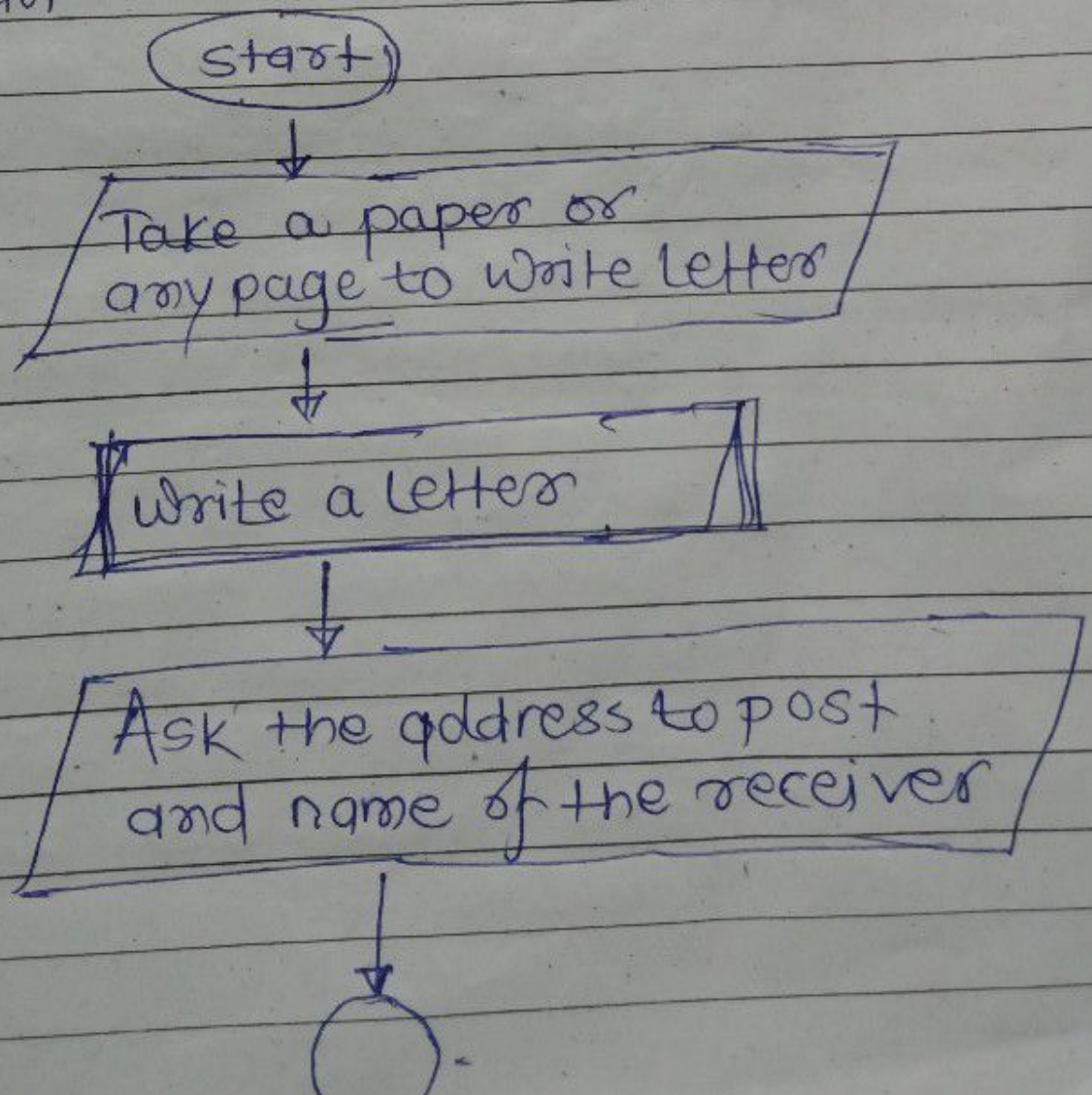
:- Ask for address to post

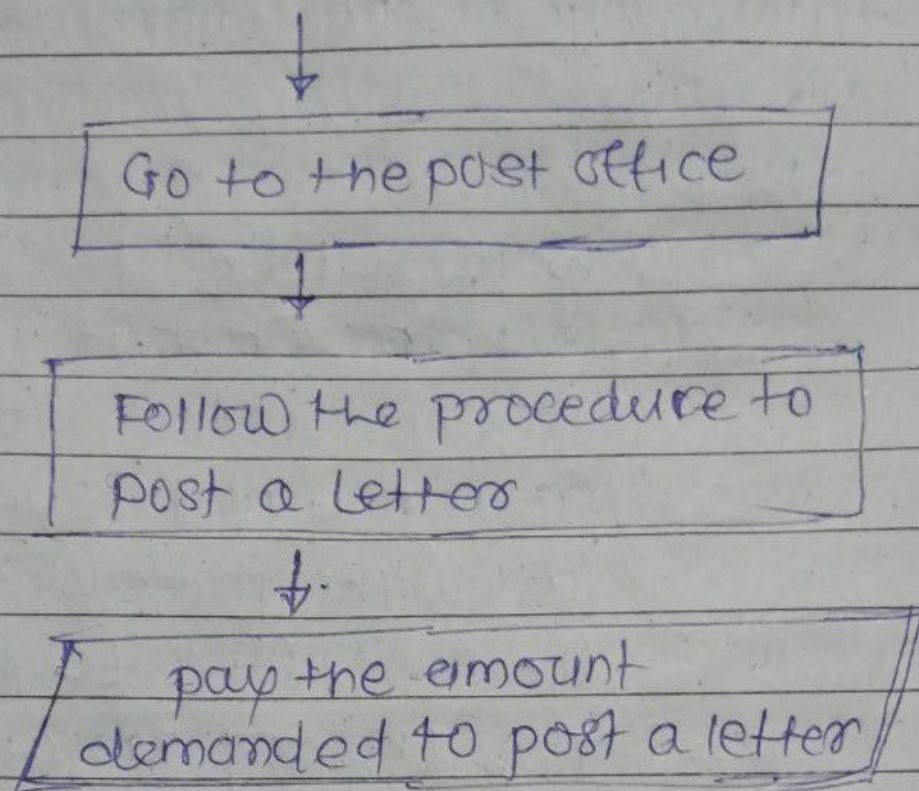
: Go to the post office

: follow the procedure given in the post office to post a letter

:- pay the req. amount

Flowchart





3. Write a Algorithm/Flowchart to catch a bus.

:- Algorithm :-

Step ① start your day, wake up early in the morning

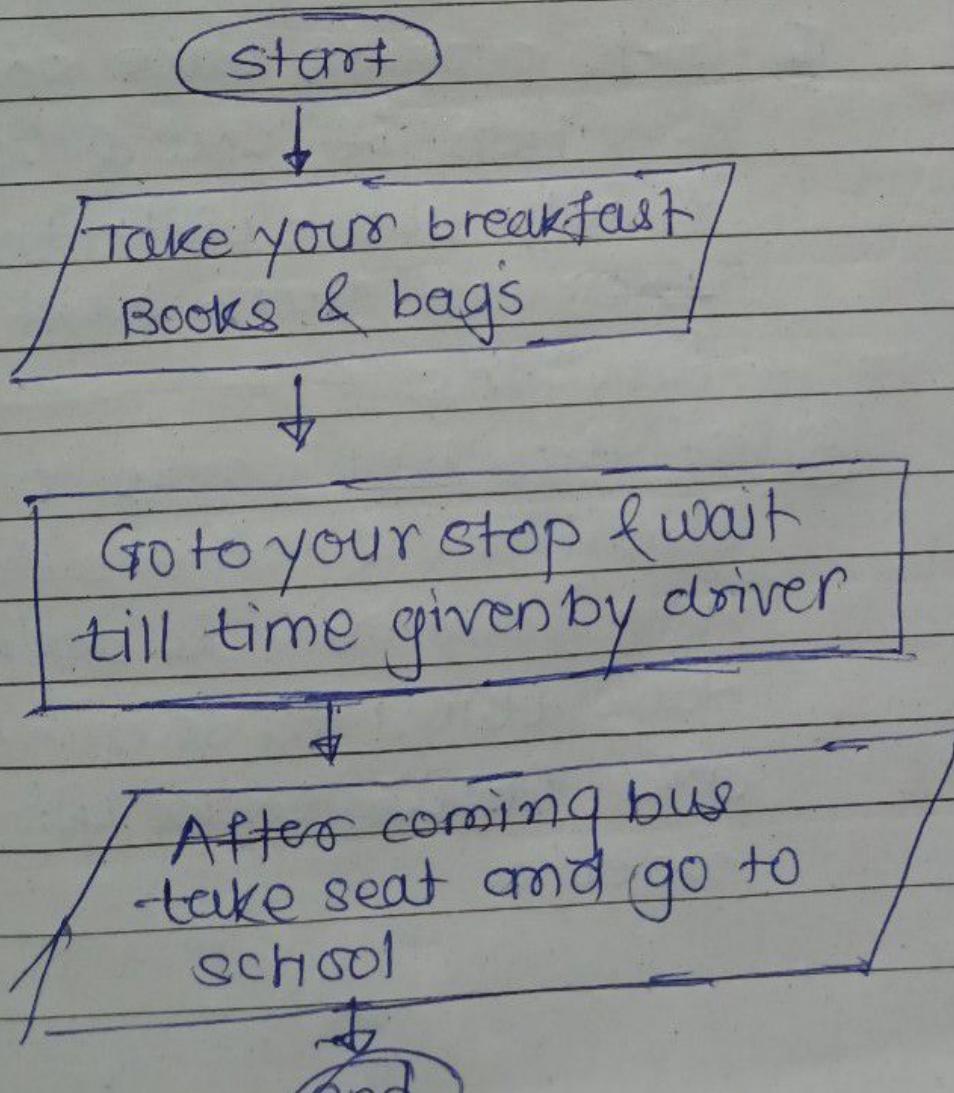
② Finish all work

take your breakfast

get ready with all books & bag

③ Go to your stop on time given by driver

④ wait for some time till the bus come to your stop.



4. Write a algorithm to get married.

Algorithm:-

Step ①: ~~Q~~ Decide wheather you are ready or Not for married

② If yes then ask mother & father to search a girl as per your matching requirment

③ ~~as~~ your parents discussed with girl's parents, when they meet to discussed about marriage if they ready to doing this year or not and so many things

④ Girls parent's have some condition if you & your family agree with that then they will start Next some functions.

⑤ If they not agree to to condition's & other's demands then your parents again repeat same thing to search a girl's and further talks with girl's parents.

- ⑥ when both family ready for marriage
They decided the wedding program
one by one and arrange them.
- ⑦ Inform all the relatives ↓ about
wedding program's (friend's also)
- ⑧ Enjoy wedding program and get
married.

10. Write a Java program to find the sum of digits of given No.

:- Flowchart.

