

27. Create a file.

Step 1:- Start

Step 2:- Open file in write mode
Using fopen().

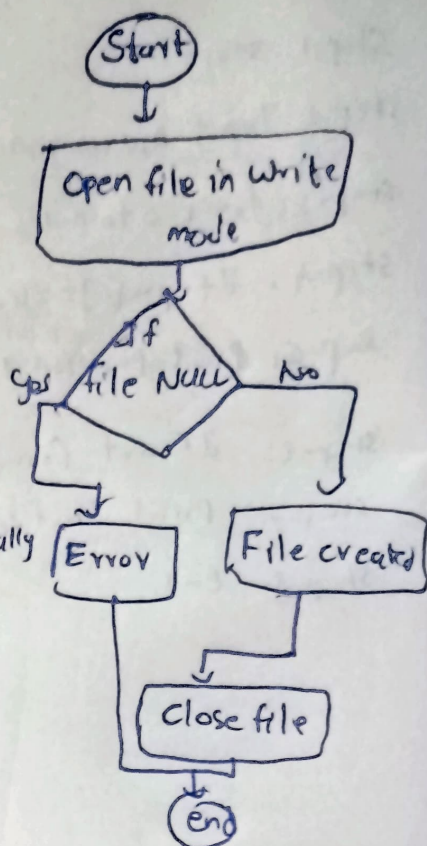
Step 3:- Check if file is NULL

Step 4:- If case of error Print error

Step 5:- else -> File created successfully

Step 6:- Close file using fclose()

Step 7:- end



28. Write text to file.

Step 1:- Start

Step 2:- Open file in write mode

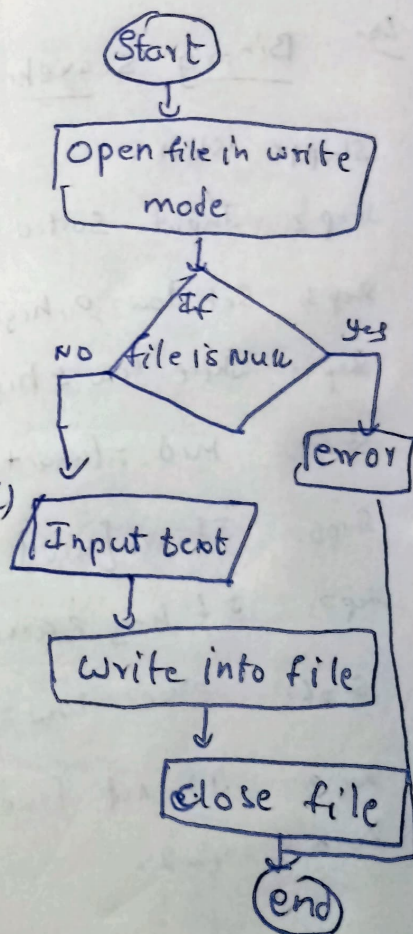
Step 3:- Check if file is NULL.

Step 4:- If Print error

Step 5:- else write text using fputs()

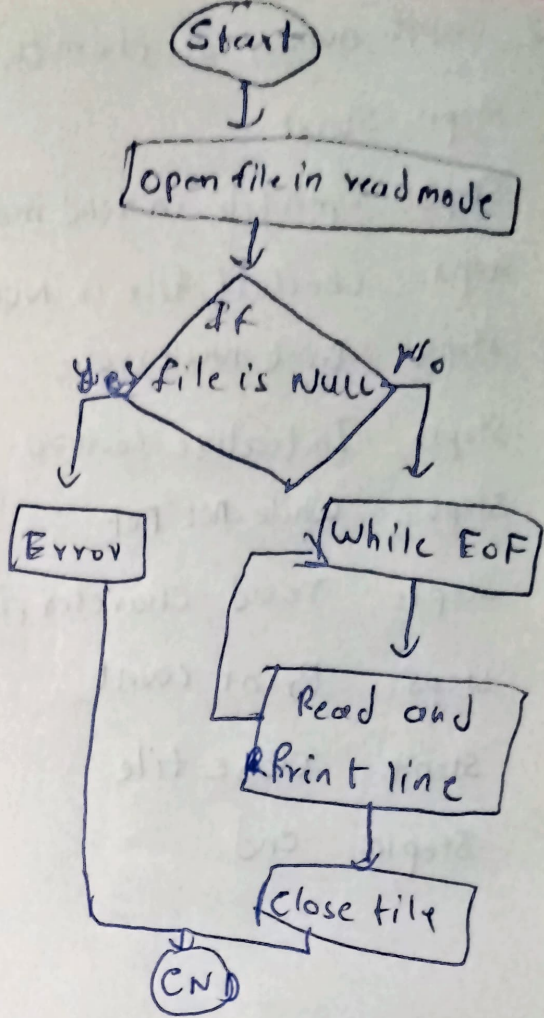
Step 6:- Close file

Step 7:- end



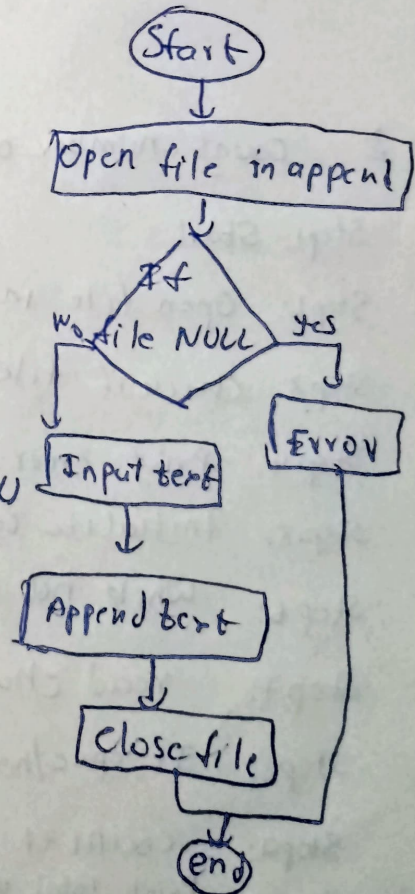
29. Read text from file.

- Step 1: Start
- Step 2: Open file is NULL
- Step 3: If Print error
- Step 4: else while end of file
- Step 5: read line
- Step 6: Print each line
- Step 7: end.



1. Append text to a file.

- Step 1: Start
- Step 2: Open file in append mode.
- Step 3: check if file is NULL.
- Step 4: error.
- Step 5: Input text from user.
- Step 6: Write text to file fputs
- Step 7: Close file
- Step 8: End



2. Count number of characters in a file.

Step1: Start

Step2: Open file in read mode

Step3: Check if file is NULL

Step4: Print error

Step5: Initialize count=0

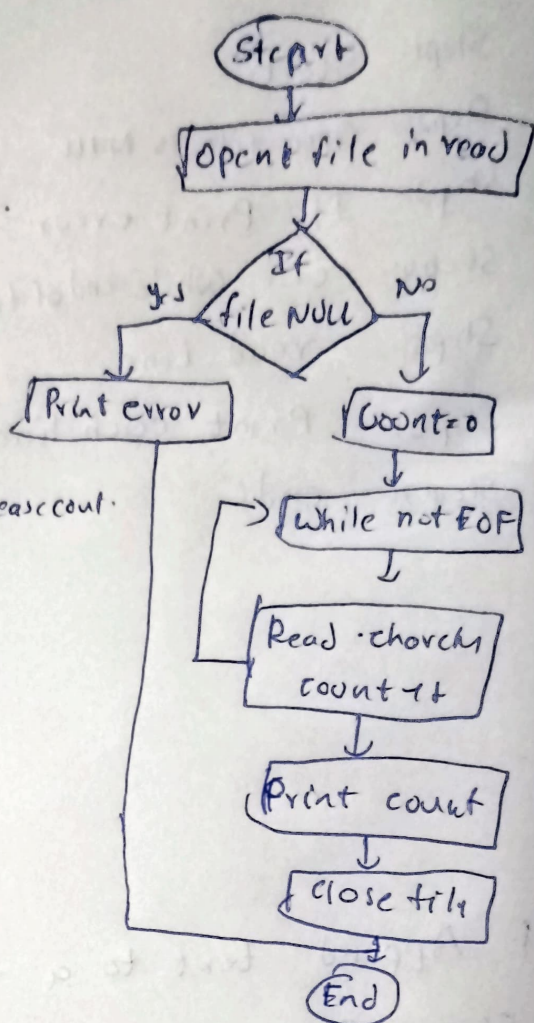
Step6: While not EOF

Step7: Read character, increase count

Step8: Print count

Step9: close file

Step10: end



3. Count number of words in a file

Step1: Start

Step2: Open file in read mode

Step3: Check if file is NULL

Step4: Print error

Step5: Initialize count=0

Step6: While not EOF

Step7: read character

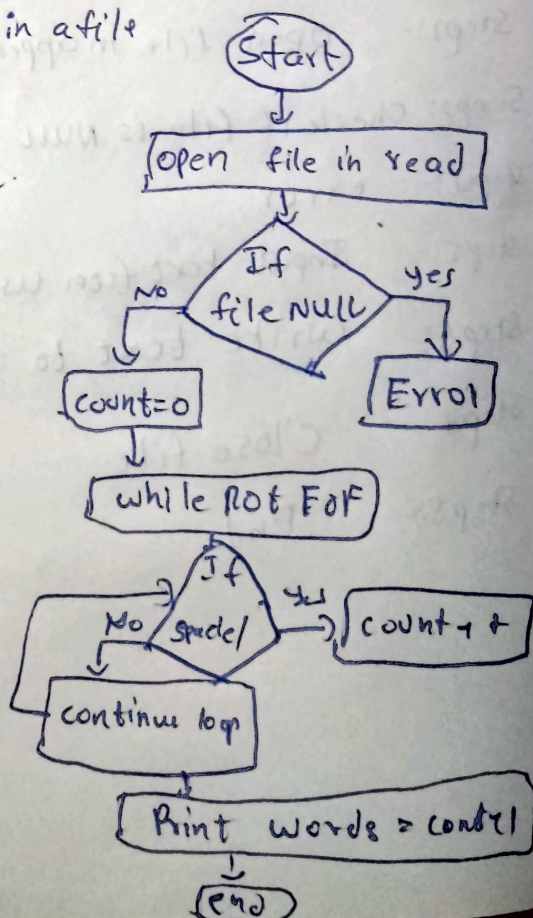
Step8: If space/new line/tab

Step9: count++

Step10: Print total words = count+1

Step11: close file

Step12: end



Count number of lines in a file.

Step 1:- Start

Step 2:- Open file in read mode

Step 3:- Check if file is NULL

Step 4:- Print error.

Step 5:- Initialize line count=0.

Step 6:- While not EOF

Step 7:- read character.

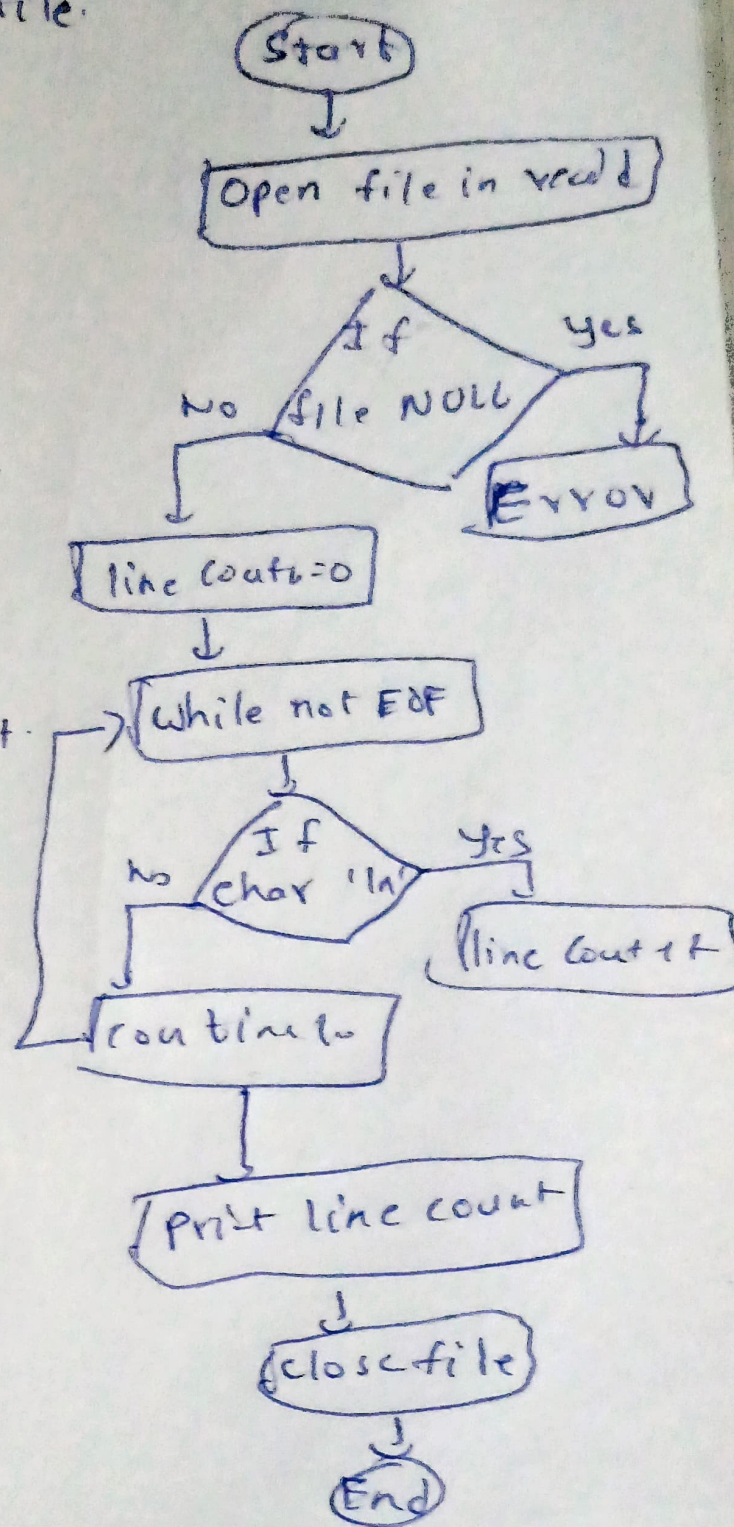
Step 8:- If '\n' -> line count++

Step 9:- Print line count.

Step 10:- close file

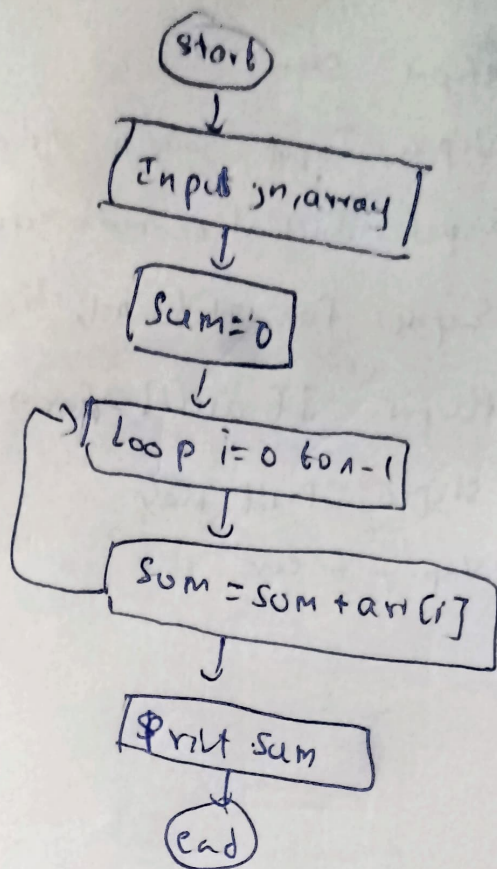
Step 11:-

Step 12:-



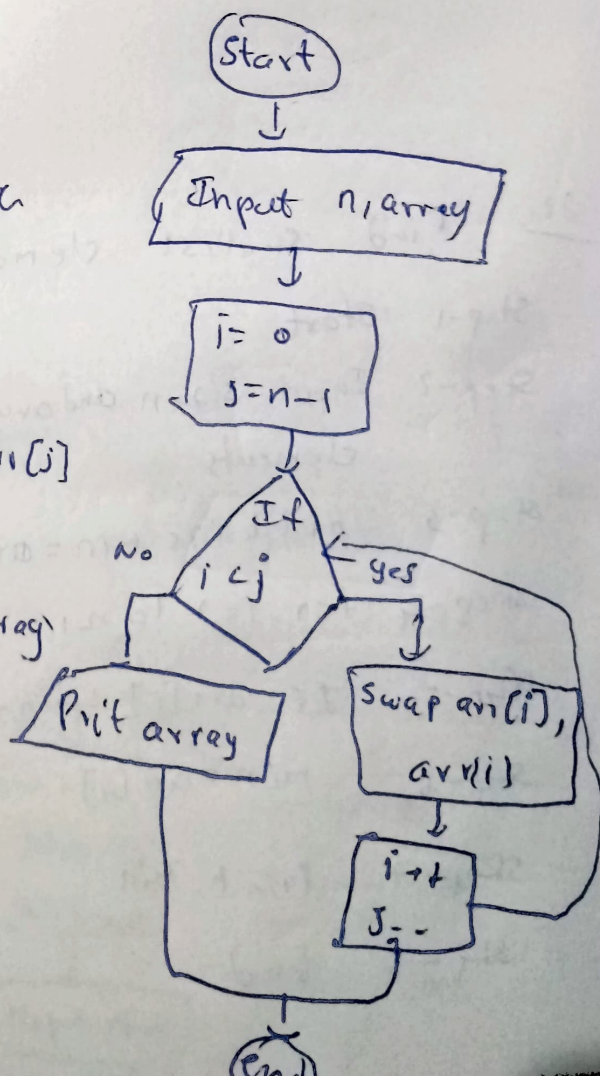
Q1 find sum of array elements.

- Step-1: Start
Step-2: Input n and array elements
Step-3: Initialize sum=0
Step-4: For i=0 to n-1
Step-5: sum = sum + arr[i]
Step-6: Print sum
Step-7: End



Q2 Reverse an array

- Step-1: Start
Step-2: Input n and array elements
Step-3: Initialize i=0, j=n-1
Step-4: While i < j:
Step-5: Swap arr[i] and arr[j]
Step-6: ~~Print~~ i++, j--
Step-7: Print reversed array
Step-8: End



20 Find GCD of two numbers.

Step-1 Start

Step-2 Input a and b

Step-3 while b \neq 0

Step-4 temp = b

Step-5 $b = a \% b$

Step-6 $a = \text{temp}$

Step-7 $\text{GCD} = a$

Step-8 Print GCD

Step-9 End

