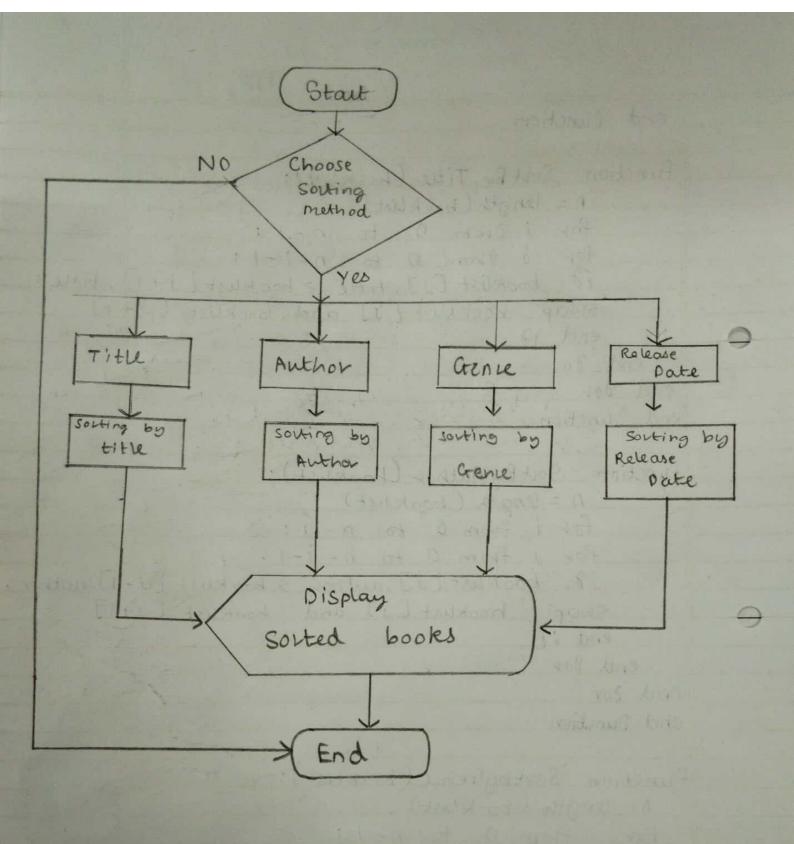
Assignment - 11 Aim: Soft the books according to gense Objective: Students will be able to understand buttle soft and many other sort which can be used to run this program. Ontcome Students will be able to sort according to pame, author, release date using buble soft, merge soft, quick soft etc. Pseudocode function solling Criterion == "Title"; Sort By title (book list) else id Sorting Criterion == "Author"; else id Souting Criterion == "Genre"; Soft By Genze (booklist) else id Solting (viterion == "Release Pate": else Display Error Message ("Invalid sorting Criteria

end dunction function Southy Title (booklist): n = length (booklist) for i drom 0 to n-1: for i from 0 to n-i-1: id bookust [j], title > bookust [j+1], title: Swap bookslist [i] and booklist [i+1] end if end for end Junction function Sout By Author (booklist): N=length (booklist) for i from 0 to n-1; for i from 0 to n-i-1: it booklist [i], author > booklist [i+1] author: Swap booklist [i] and booklist [i+1] end it end dunction function Sortby Gence (booklist): N= length (booklist) for i from 0 to n-1: for i from 0 to n-i-1: id bookint CiJ. genue > booklist [i+1], genue: Swap books list [i] and booklist [i+1]



end id end dor lend dor end function function Sort by Release Date (booklist): n= length (booklist) for i from 0 to n-1: for i from 0 to n-i-1:
id booklist [i] lelease date > booklist [i+1] lelease date: Swap bookslist [i] and booklist [i+1] end 12 end dor end for end aunction Algorithm Step 1 -> Begin Step 2 > Initiate criterions as "Title", "Author", "Green "Rolease date" Step 3 => Input no or names sevially in the Steph => for (i=0; i < n; i++) for (j=i+1; j<n; j++) # compare str[i] and str[i] by using Strmp () function we can also use booklist [i] > booklist [i+] Swap booklist [j] and [j+1] PCCOE

	M. T -> 10			
	by using str cpy () function as Str cpy (s. str [i])			
	(A)	Str con (Str [i]	Str [j])	
	Str cpy (Strls), S)			
	Step6 > Print	Step6 => Print the sorted string		
-	Step 3 → Stop Step 2 dor each category			
	1.) 2 2 2	1:00	1 0 0 124 120	
			types of soits like	
	PLANGE SOVE,	merge sort, qu	nick sort etc.	
	Test cases			
	Test cases			
Bedole 1)	Gense	Author	book same	
Sorting	5	S	5	
-	aime	William	The Great liver	
	war	Agatha	The Adventure	
-	Spy	Barbara	The lord of water	
	adventue	Danielle	To kill	
	mystry	Chetan	Dlesev	
Arter				
Sorting	Adventue	Agatha	The Adventure	
	crime	Baybona	The great river	
	mystry	Chetan	The Lord of water	
THE PERSON	SPY	Panielle	To kill	
	War	William	Vleser	
			PCCOE	

Conclusion The program sorts the data accordingly to gence, author, bookname, et a accurately PCCOE