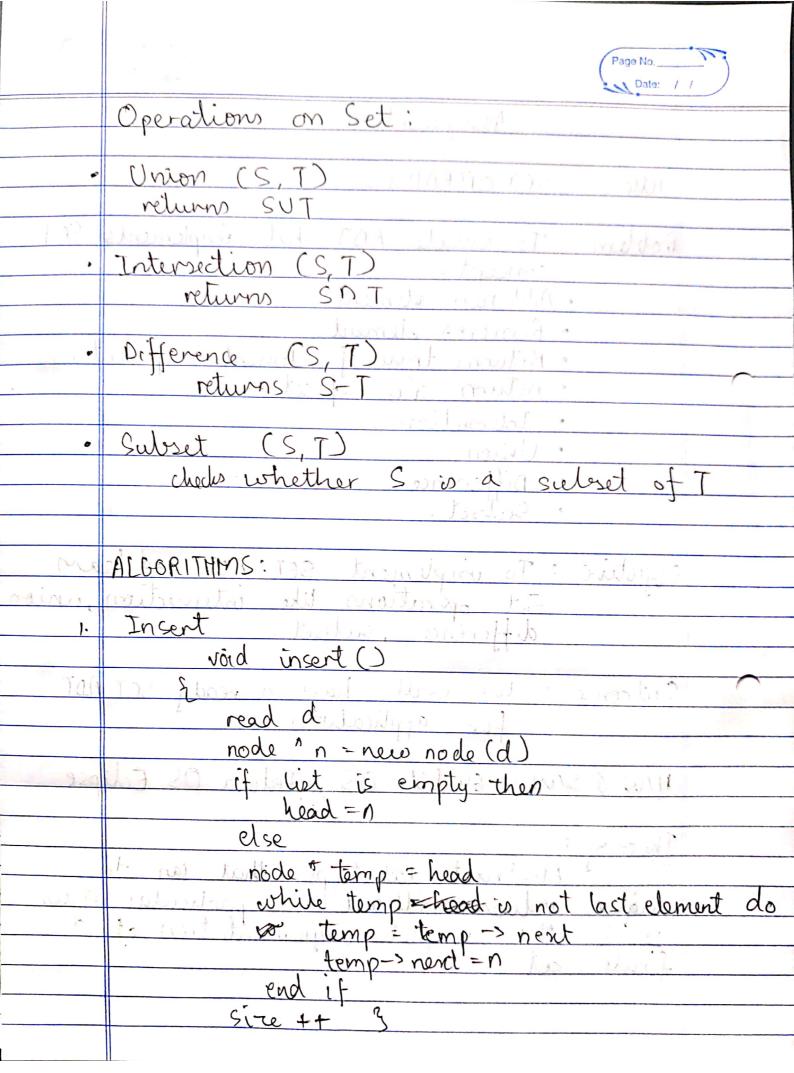
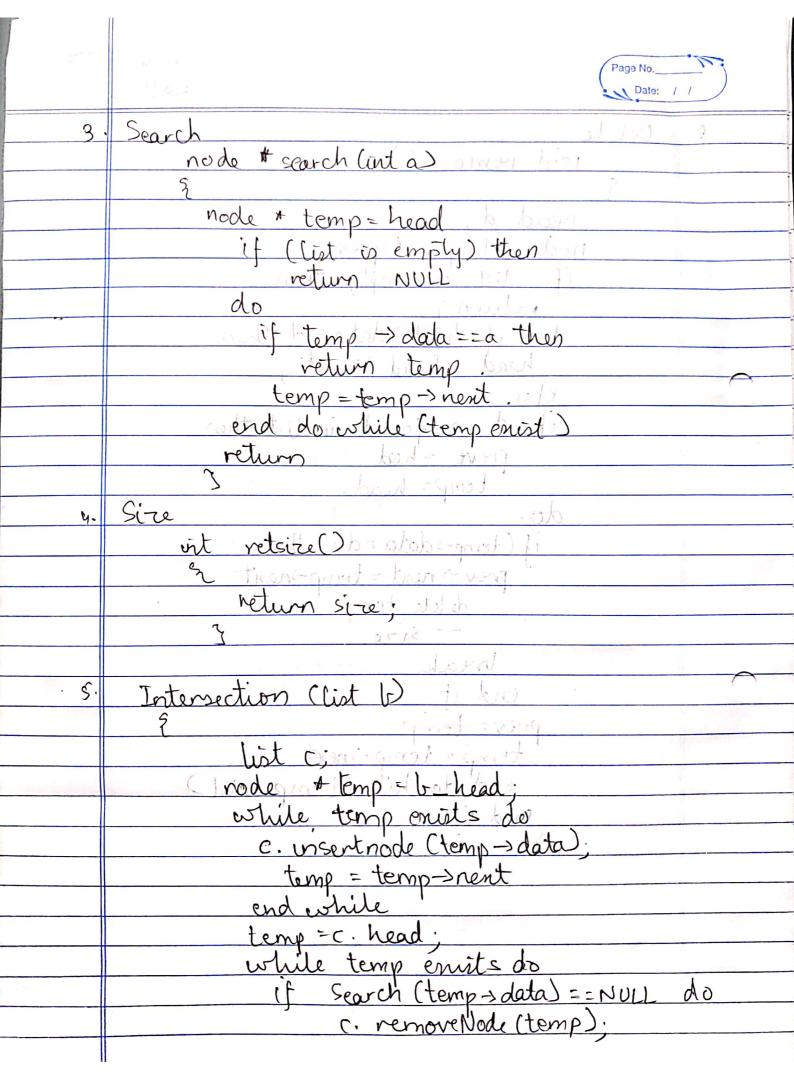


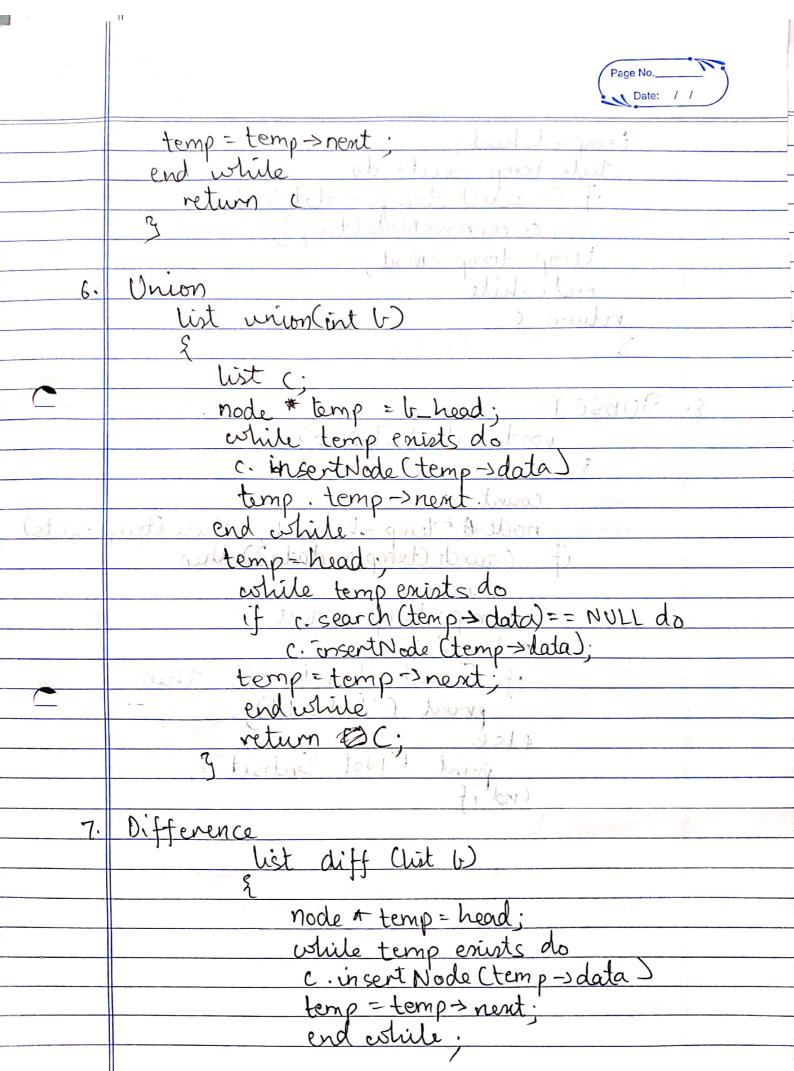
## Assignment - 9 Title: SET OPERATIONS. Problem: To create ADT that implements SET concepts. Add new element Returns true if element is present. Return since of sed. · Intersection · Union (12) teches · texte Difference 2 months to white Objective: To implement SET ADT and learn Set operations like intensection, union difference, subset. Outcome: We will have a ready SET ADT for applications. M/W & S/W 64 bit OS, Fedora OS, Edipse Abstract datatype that can stone unique values without any particular order. It is the complete implementation of a finite set.

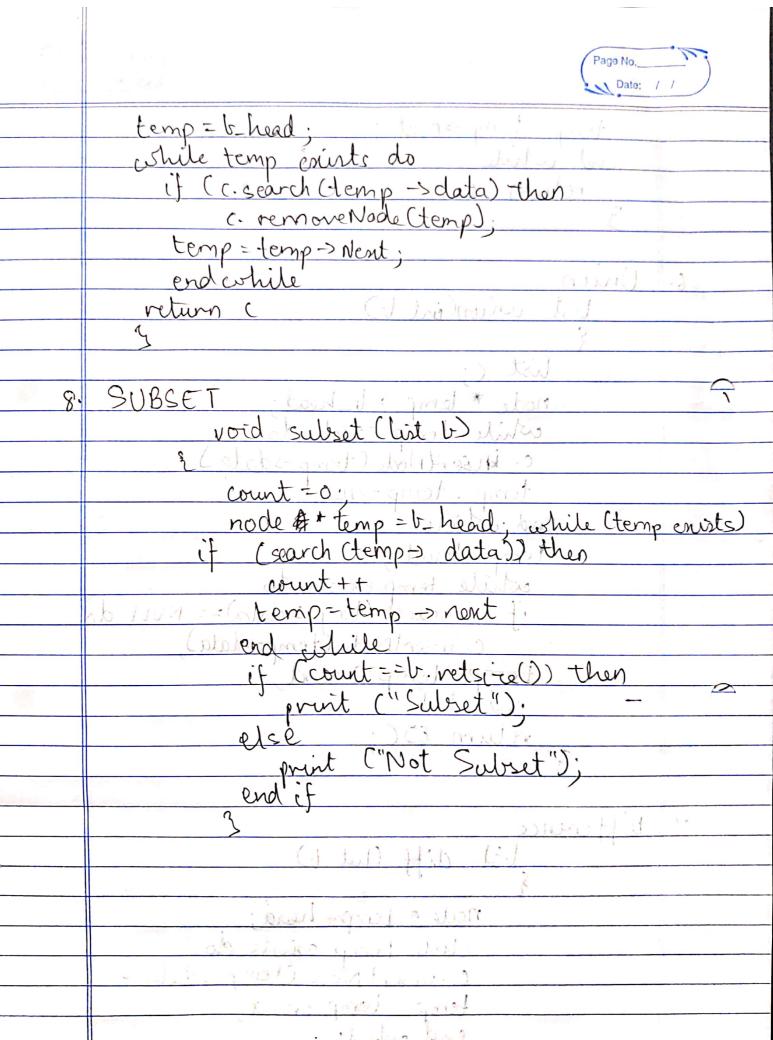


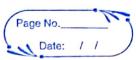


	<u>. 2</u>	Page No Date: / /			
۵.	Delete	Alima 18			
	void remove ()	261			
	٩	+			
	read d; buil you hom				
	node t temp, * prev;				
	if list is empty then				
	return;				
	else if head->data=d then				
	head = head - next;				
	else toon to amobilished				
	it d is found in list then	1 10			
-	preve - hed				
	else in to found in list then  preve - head.  temp= head.				
	do	25-je			
	if (temo=) data = d) thon	tru			
	prev -> nent = temp->nent	J. S.			
	delete temp	1			
	prev-> rent = temp->nent  delete temp  size				
	break	1			
	4	restal ?			
	prev= temp temp = temp -> next end dowshile (temp exist end if	Ĵ			
	temp = temp -> next tail	<u> </u>			
	end doushile (temp emist	.)			
1	end iture good shite	9			
	Colyperguet Charles after				
	towns-growt - ground				
	end edite				
	bout I must				
	while temp emit do				
o Å	their coliberation (temps 1)	į.			
	Land) bollmoners				









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	TEST CASES	•				
	A= &4,1,3,-1,7,93 I/P 0/P Result Analysis.					
	I/P	019	Result	Analysis.		
1.	Insert 5	A={5,4,1,3,-1,7,9}	Success	O(n)		
۵-	Remove 1	A = -{5, 4, 3, -1, 7, 93	Success	0(n)		
<b>9</b> .	Contains 7	True	Success	O(n)		
կ․	Site	5	Success	O(n)		
2.	B=91,2,9,33 Perform Union	C=21,2,3,5,4,-1,7,93	Success	O(n)		
-	J	C S = 01	C			
6 .	Intersection	(= 21,3, 9 3	Success	O(n)		
7.	Difference	D= {-1, 4, 5, 7, 9}	Success	O(n).		
બ્ર	Subset	B in not subset		0(n)		
		of A	in d			
Ø.	858-1993		w los			
	Conclusion: We have understood and implemented set ADT and performed basic algebra set operations on it.					
	mplemen	ued set MDI an	is on it.	νανια		
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