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Tim	Missignment 1-7 11 10 -7 11 10
5 17 PA	this ham Assignment 1-7 15 10 of all
and the	Title : Write x86 program to sort the list of
. 1- 11	integers in according dosconding order Read the
	data boach to the same tent file using
	data boach to the same tent fileuring
	outra corc.
	a very the most interest in the said
	Objective: Students will study sorting of number in ALP.
	Outcome: Implement bubble sort in ALP.
1	Outcome Implement bubble sort in ALP.
	Thomas
	In builded cont out of the
	array is compared with its adjacent plansant
	Theory: In bubble sort each element of the array is compared with its adjacent element. The algorithm processes the list in passes.
	A list with n elements requires n-1 passes
	for sorting. Consider an array A of n elements
- (V.)	whose elements are to be sorted by using
	Buttle sort. The algorithm works in the following
	A list with n elements requires n-1 passes for sorting. Consider an array A of n elements whose elements are to be sorted by using Bubble sort. The algorithm works in the following way.
1)	is compared with A[2], A[2] is compared with
	ompared with AlzI, A[z] is compared with
	A[3] and so on At the end of pass 1. the largest element of the array is placed at the highest
Man 18 .	element of the array is placed at the highest
	In Pass 2 A [0] is compared with ACIT. A CIT is
2)	compared with AC2T and so on. At the end of
	carry the second largest plant of The army
ANT.	pass 2 the second largest element of the array is placed at the second highest index of the list.



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3)	In pass n-1, the ACOI is compared with ACII
	A [1] to compared with A[2] and so on. At the
1-n 1-	end of this pars the smallest element of the
1 1	list is placed at the first ender of the list.
	li diene Brie dit tadi Minari Ingili
	Open Filetrat with of day of its
4	mor ran, 2; open syscall!
	mov rdi, frame; frame = filename
+1	moversi, 2, fileacces modé
	mov rda, 0777 i Permissions set.
	syscall
-	the site of the state of the st
	user 1 1 1 all mill
1.6	Les transfer to group but all
200	timede is the bringing a pond
e shirts	Read File by anyong multimate all
	in original strain to a sting til a
	mov ran on no id; head systall
Minu	movirdi, Efdis]: File Pointer (Descripton)
-uallal-	mor rei, buffer de Buffer for read!
6	mov ran, length; len of Buffer.
1)A L'	14 dres beingmen of Cold 1 sone of 14
Wind	Algorithm: 1:379 1:379 Wine brogger
n (c)	Sost Starting with the first clement (index = 0), compare
Cooke D	
7	the current element with the next element of
4 111	the carray bearing a last
12)	if the current element is greater than the
3	Next's element of the array, swap them.
1)	it) in morem element is less than the



	Page No Date: / /
Ĺ	nent element, move to the nent element. Repeat step 1.
	Repeat step 1.
	Test cases:
	Test case Expected Outcome Result
	Li O - 1 D O O O O O O O O O O O O O O O O O O
	4820319 0123489 As expected Pass.
2)	95345 34559 As empeded Pass
She,	Conclusion: We successfully implemented BUbble sort using ALP.
	12000 Ce Sort wring 17LP.
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