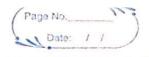
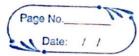


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	Assignment 7
	In the second of
•	Title: Bubble Sort
6	Problem Statement:
	Write a x86 program to sort a list of
	integers in ascending /descending order
	using bubble and British order
	Using bubble sort Read the input from
	the first text file & write the sorted
	data back to the same text file.
•	Objective:
	Da water
) To understand how to implement bubble
	Sort Osiriq ALP.
	2) To implement file read & write operations.
,	
	Outcome:
	
	aigit integers using AIP
	2) Implement file read & write operations
	Constitution of the consti
•	Requirements:
	1) 64 bit processor & 0s
	2) NASM
	3) Editor, linker, loader, debagger, etc.
	freely and to any as and
	Car and the state of the state
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,	Theory:
	Each element is compared with it's adjacent
	element & exchanged if first is smaller
	than the second, this is repeated in times
	through the whole sequence.
	for ip: n-2){
	for j,b: n-i-1){
	if (arky (i] > arrary (j+1)) {
	SWap
	2
	3
- M. 1	Same of the second of the seco
	Algorithm:
) START
	2) Read buffer & save length (n)
uh et a	3) Set len as counter
	4) [rsi] = Start
	5) counter2 = counter1-1
	6) if ([rsi] > [rsi+1])
	Swap
	7) Increment vsi
	2) Decrement Counter 2
	if zero goto 9 else & B
	a) Decrement counter!
	if zero goto © else ©
	10) Display buffer & write in file
	1) STOP



	Date: / /
•	Test Cases:
	Input Expected olp Actual olp
1.	9317865(A) 1356789 Yes
2.	1798263(D)9876321 Yes
,	Conclusion: Bubble Sort for sorting contents of a file is implemented using an ALP