C Language: Assignment on Dynamic Memory Allocation

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1. Write a C program to to represent 1-D array using Dynamic Memory Allocation.

2. Write a C program to sort 1-D array in ascending order using Dynamic Memory Allocation.

3. Write a C program to search given element in 1-D array using binary search method (Use Dynamic Memory Allocation to represent an array).

4. Write a C program to find second highest element in given 1-D array using Dynamic Memory Allocation.

5. Write a C program to reverse an given 1-D without using sorting algorithms. (Use Dynamic Memory Allocation to represent an array).
6. Write a C program to find the sum of all the elements of an array.(Using Dynamic Memory Allocation)

7. Write a C program that return the positions of the pallindrome element in array (Using Dynamic Memory Allocation)

8. Write a C program to sort first half of array in ascending order and second half of array in descending order. (Using Dynamic Memory Allocation)

9. Write a C program to copy the elements of one array into anotherarray. (Using Dynamic Memory Allocation)

10. Write a C program to count of number of vowels and number of consonants in the given string. (Using Dynamic Memory Allocation)

11. Write a C program to sort only even numbers in given array. (Using Dynamic Memory Allocation)

    Eg.

    Input: 45 8 75 29 5 49 56 22 14 497 288 18 2

    Output: 45 2 75 29 5 49 8 14 18 497 22 56 288

12. Write a program in C to separate odd and even integers in same array. (Using Dynamic Memory Allocation)

13. Write a program in C to print all unique elements in an array. (Using Dynamic Memory Allocation)
14. Write a program in C to insert New value in the array (sorted list). (Using Dynamic Memory Allocation)

15. Write a program in C to delete an element at desired position from an array. (Using Dynamic Memory Allocation)
16. Write a program in C to find the maximum / minimum element in an array. (Using Dynamic Memory Allocation)

17. Write a program in C to find the second largest element in an

array. (Using Dynamic Memory Allocation)

18. Write a C Program to Find the Number of Elements in an Array(Using Dynamic Memory Allocation)

19. Write a C Program to Check Array bounds while Inputing Elements into the Array (Using Dynamic Memory Allocation)

20. Write a C Program to Print the Alternate Elements in an Array (Using Dynamic Memory Allocation)

21. Write a C Program to Find 2 Elements in the Array such that Difference between them is Largest (Using Dynamic Memory Allocation)

22. Write a C program to store squares of the elements in the same array (Using Dynamic Memory Allocation)
23. Write C Program to Find the two Elements such that their Sum is Closest to given number (Using Dynamic Memory Allocation)

24. Write C Program to Find if a given Integer X appears more than N/2 times in a Sorted Array of N Integers (Using Dynamic Memory Allocation)

25. Write C Program to Find Union & Intersection of 2 Arrays (UsingDynamic Memory Allocation

26. Write a C program to find the maximum sum of a subsequent numbers in given array. (Using Dynamic Memory Allocation)

27. An array consist of Integers. Write a C program to count the number of elements less than, greater than and equal to zero. (Using Dynamic Memory Allocation)