ARRAY

1. WAP in C to print array using int pointer.
   i/p: int a[5]={11,22,33,44,55}, *p=a;
   o/p: 11 22 33 44 55

2. WAP in C to sort array in decending order .
   i/p: int a[5]={11,55,88,22,44}, *p ;
   o/p: 88 55 44 22 11

3. WAP in C to sort 1st 4 ele of array in decending .
   i/p: int a[7]={5,3,1,2,1,9,6};
   o/p: 5 3 2 1 1 9 6

4. WAP in C to find sum of all array elements.
   i/p: int a[5]={10,20,30,40,50};
   o/p: 150

5. WAP in C to find sum of 1st digit of all array
   i/p: int a[5]={123,23,89,3425,721};
   o/p: 1+2+8+3+7 ----> 21

6. WAP in C to delete 1st digit of all array elements.
   i/p: int a[6]={12,234,321,45,654,1234};
   o/p: int a[6]={2 , 34, 21, 5, 54, 234};

7. WAP in C to print binary of all elemets in array .
   i/p: int a[5]={10,100,1000,100,10}
   o/p:

8. WAP in C to delete 0th bit of all array elements.
   i/p: int a[5]={12,10,35,63,512};
   o/p: int a[5]={ 6, 5,17,31,256};

9. WAP in C to count all set and clear bit array .
   i/p: int a[5]={10,15,64,100,511};
   o/p: set count =19 , clear count=141

10. WAP in C to store set bit count to another array.
   i/p: int a[5]={10,15,64,100,511};
   o/p: int b[5]={2 , 4, 1, 3, 9 };

WAP in C to count -ve ,+ve, even , odd ele in array .
   i/p: int a[10]={-11,11,12,-12,9,8,-3,10,22};
   o/p: +ve = 6 , -ve = 3 , odd = 2 , even = 4

12. WAP in C to print Smallest element in array.
   i/p : int a[6]={2,2,3,5,5,4};
   o/p :   res = 2

WAP in C to print second largest element in array.
   i/p : int a[7]={2,2,3,5,5,4,4};
   o/p : second large = 4

WAP in C to print second smallest element in array.

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   i/p : int a[7]={2,2,1,5,5,4,4};
   o/p : second small = 2

15. WAP in C to swap 3rd ele with 4th ele in array .
   i/p: int a[6]={11,22,33,44,55,66};
   o/p: 11 22 33 55 44, 66

16. WAP in C to swap(using bitwise) 0th ele with
last ele in array using 2 pointer without any loop.
   i/p: int a[6]={111,222,333,444,555,666}, *p,*q ;
   o/p: 666 222 333 444 555 111

17. WAP in C to sort 1st 3 element of array .
   i/p: int a[7]={11,33,22,2,9,1,6};
   o/p: 11 22 33 2 9 1 6

WAP to C to insert 99 on 0th index in same array .
   i/p: int a[7]={2,3,5,7,11,13 }, in=0, num=99;
   o/p: int a[7]={99, 2,3,5,7,11,13};

WAP to C to insert 51 on 3rd index in same array .
   i/p: int a[7]={2,3,5,7,11,13 },in=3 ,num=51;
   o/p: int a[7]={2,3,5,51,7,11,13};

WAP to C to insert 10 on sorted place in sorted array
   i/p: int a[7]={2,3,5,7,11,13 }, num= 10;
   o/p: int a[7]={2,3,5,7, 10, 11,13};

21. WAP to C to insert 99 on 0th , 88 on 1st index in
same array .
   i/p: int a[9]={30,11,45,34,14,8 ,50 },num=99 ;
   o/p: int a[9]={99,88, 30,11,45,34,14,8, 50};

22. WAP in C to merge 2 array into 3rd array .
   i/p: int a[3]={1,5,7}; b[3]={11,22,33};
   o/p: int c[6]={1,11,5,22,7,33};

23. WAP in C to merge 2 array into 3rd array .

i/p: int a[2]={1,5}; b[4]={11,22,33,44};
   o/p: int c[6]={1,11,5,22,33,44};

24. WAP in C to delete 0th index element from array
   i/p: int a[5]={99,88,77,66,55}, in=0;
   o/p: int a[5]={88,77,66,55};

25.WAP in C to delete 2nd index element from array
   i/p: int a[5]={99,88,77,66,55}, pos=2;
   o/p: int a[5]={99,88,66,55};

26. WAP in C to delete 2nd,3rd index from array .
   i/p: int a[5]={99,88,77,66,55}, pos1=2, pos2=3;
   o/p: int a[5]={99,88,55};

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27. WAP in C to delete odd elements from array .
    i/p: int a[6]={11,12,14,13,15,18};
      o/p: int a[6]={12,14,18};

28. WAP in C to delete -ve elements from array .
   i/p: int a[6]={-11,12,-14,13,-15,-18};
   o/p: int a[6]={12, 13};

WAP in C to delete duplicate elements from array .
    i/p: a[10]={3,3,2,4,4,1,2,3,7,9}
     o/p: a[10]={3,2,4,1,7,9};

30 WAP in C to delete even duplicate ele from array.
    i/p: a[10]={3,3,2,4,4,2,5,3,4,9}
    o/p: a[10]={3,3,2,4,5,3,9};

WAP in C to count all duplicate elements from array.
    i/p: a[10]={3,3,2,4,4,2,5,3,4,9}
   o/p: 3 ->3 times ,2-> 2 times , 4-> 3 times

WAP in C to product of digit of all array elements.
    i/p: int a[5]={11,202,234,456,90};
    o/p: int a[5]={1, 0, 24, 120, 0};

WAP in C to store factorial of array in another array.
      i/p: int a[4]={ 4, 5, 6, 4};
      o/p: int b[4]={24,120,720,24}

34. WAP in C to print and count prime in array .
    i/p: int a[7]={3,4,5,6,7,8,9};
    o/p: 3 5 7 , count= 3
35. WAP in C to print and count perfect in array .
    i/p: int a[7]={3,4,5,6,7,28,9};
     o/p: 6 28 , count= 2

36. WAP in C to print and count strong in array .
    i/p: int a[7]={2,4,2,6,145,28,1};
    o/p: 2 2 145 1 ,count= 4

WAP in C to print and count armstrong in array .
     i/p: int a[7]={22,4,21,6,153,28,11};
        o/p: 4 6 153 ,count= 3

WAP in C to right rotate array 1 times in same array.
    i/p: int a[7]={11,21,31,41,51,61,71};
     o/p: int a[7]={71,11,21,31,41,51,61};

WAP in C to right rotate array 3 times in same array.
   i/p: int a[7]={11,21,31,41,51,61,71};
   o/p: int a[7]={51,61,71,11,21,31,41};

WAP in C to left rotate array 1 times in same array.
   i/p: int a[7]={11,21,31,41,51,61,71};
   o/p: int a[7]={21,31,41,51,61,71,11};

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WAP in C to left rotate array 2 times in same array.
    i/p: int a[7]={11,21,31,41,51,61,71};
   o/p: int a[7]={31,41,51,61,71,11,21};

42. WAP in C to shift all -ve elements to right side in same array.
    i/p: int a[7]={-1,22,3,-4,-8,33,77};
    o/p: int a[7]={22,3,33,77,-1,-4,-8,};

43 .WAP in C to shift all odd elements to right side in same array.

i/p: int a[7]={11,22,22,44,55,33,88};
o/p: int a[7]={22,22,44,88,11,55,33};

44.WAP in C to shift all 0 to left side in same array.
   i/p: int a[7]={11,0,0,44,0,33,0};
   o/p: int a[7]={0,0,0,0,11,44,33};

WAP in C to print 1st perfect and pos form array .
   i/p: int a[5]={2,4,6,28,6};
    o/p: num= 6, pos= 2

46.WAP in C to store 1st 7 prime number in array .
    i/p: int a[7];
    o/p: int a[7]={2,3,5,7,11,13,17};

47. WAP in C to delete perfect number from array .
     i/p: int a[6]={6,6,7,28,6,5,24};
     o/p: int a[6]={7,5,24};

WAP in C to replace prime index ele with 0 in array.
   i/p: int a[8]={11,22,33,44,55,66,77,88};
   o/p: int a[8]={11,22,0 ,0 ,55,0 ,77,0 };

WAP in C to store prime index ele in another array.
    i/p: int a[8]={11,22,33,44,55,66,77,88};
    o/p: int b[8]={33,44,66,88};

50. WAP in C to delete all strong num from array .

i/p: int a[6]={2,145,2,14,3,2};
o/p: int a[6]={14,3};

51. WAP in C to delete odd palindrome number from array .
    i/p: int a[6]={22,141,222,45,33,77};
    o/p: int a[6]={22,222,45};

 if you found any mistake or doubts send mail to
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after learning function topics write above all 51 program using function .