Arrays

1. Accept *n* numbers from the user and count how many are negative, positive and zeros.
2. WAP to input 10 numbers in an array and print the sum of all the numbers.
3. WAP to input 10 numbers in an array and print the sum of all the even numbers.
4. WAP to input 10 numbers in an array and print the sum of all the odd numbers.
5. WAP to input 10 numbers in an array and print the sum of all numbers at even indexes.
6. WAP to input 10 numbers in an array and print the sum of all numbers at odd indexes.
7. WAP to input 'n' numbers in an array and print the count of all even numbers
8. WAP to input 'n' numbers in an array and print the count of all odd numbers.
9. WAP to input 'n' numbers in an array and print the average.
10. WAP to input 'n' numbers in an array and print the average of even numbers.
11. WAP to input 'n' numbers in an array and print the average of odd numbers.
12. WAP to input 'n' elements in array A and 'm' elements in array B, find the sum even numbers stored in array A and sum of odd numbers stored in array B.
13. WAP to input an array A of 'n' elements and store the square of each elements in array B, display the output as follows:

Number	Square
2	4
3	9
….	….

14. WAP to input an array A of 'n' elements and merge the two arrays and store in array C.

15. WAP to input an array of 'n' elements and print the largest number.

16. WAP to input an array of 'n' elements and print the smallest number.

17. WAP to input an array of 'n' element and arrange them in **ascending** order using **Selection Sort**.

18. WAP to input an array of 'n' element and arrange them in **descending** order using **Selection Sort**.

19. WAP to input an array of 'n' element and arrange them in **ascending** order using **Bubble Sort**.

20. WAP to input an array of 'n' element and arrange them in **descending** order using **Bubble Sort**.

21. WAP to input an array of 'n' element and arrange them in **ascending** order using **Insertion Sort**.

22. WAP to input an array of 'n' element and arrange them in **descending** order using **Insertion Sort**.

23. WAP to input an array and remove the duplicate number.

24. WAP to input an array of 'n' elements having both positive and negative number. Now, shift the negative numbers to the left and positive numbers to the right.

25. WAP to input an array of 'n' elements and find the second largest number.

26. WAP to input an array of 'n' elements and find the average of all numbers except the largest and smallest number.

27. WAP to input an array A of 'n' elements and array B of 'm' elements and merge the two array in such a way that the third array is in ascending order.(Assume that array A and B sorted in ascending order)

28. WAP to input a number and print the frequency of each digit.

(input:155361

output: Number Frequency

1	*2*
3	*1*
5	*2*
6	*1)*

29. WAP to input a number and check whether it is unique or not.
(In unique number every digit has at most one occurrence)

30. WAP to take a number and arrange the digits in ascending order.

31. WAP to take a number and arrange the digits in descending order.