

**CLASSES Programs List**

**Numbers with Classes**

1. Write a program in C++ to sum of two integer numbers ?
2. Write a program in C++ to sum of two integer numbers with assign inputs value on main ?
3. Write a program in C++ to sum of two integer numbers with passing arguments from main function ?
4. Write a program in C++ to all arithmetic operations of two integer numbers ?
5. Write a program in C++ to find the biggest of two integer numbers ?
6. Write a program in C++ to find the Smallest of two integer numbers ?
7. Write a program in C++ to find the area of circle ?
8. Write a program in C++ to find the volume of sphere ?
9. Write a program in C++ to find out the given number is even or odd. ?
10. Write a program in C++ to find out the given year is leap year or not. ?
11. Write a program in C++ to print the single digit number into words. ?
12. Write a program in C++ to print 11-19 range to words ?
13. Write a program in C++ to print the tens (10,20,..90) into words. ?
14. Write a program in C++ to print the limit 0-99 into words ?
15. Write a program in C++ to print the limit 0-999 into words ?
16. Write a program in C++ to read and print the ten numbers ?
17. Write a program in C++ to find out the biggest of ten numbers ?
18. Write a program in C++ to find out the smallest of ten numbers ?
19. Write a program in C++ to find out the biggest and smallest of ten numbers. ?
20. Write a program in C++ to find out the index of biggest of ten numbers in array ?
21. Write a program in C++ to find out the index of smallest of ten numbers in array ?
22. Write a program in C++ to interchange the biggest and smallest of ten numbers. ?
23. Write a program in C++ to merge two arrays (array size is 10). ?
24. Write a program in C++ to merge two arrays using separate objects ?
25. Write a program in C++ for ascending order of ten numbers ?
26. Write a program in C++ for descending order of ten numbers ?
27. Write a program in C++ to read and display of N numbers ?
28. Write a program in C++ to read and print the numbers which are odd and even ?
29. Write a program in C++ to find the average of N numbers ?
30. Write a program in C++ to read and print the reverse order ?

**Matrix with Classes**

1. Write a program in C++ to read and display a 3 x 3 Matrix ?
2. Write a program in C++ to transpose the 3 x 3 Matrix ?
3. Write a program in C++ to print the sum of two 3 x 3 Matrix ?

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4. Write a program in C++ to print the product of two 3 x 3 Matrix. ?
5. Write a program in C++ to read and display a N x N Matrix ?
6. Write a program in C++ to transpose the N x N Matrix ?
7. Write a program in C++ to print the sum of two N x N Matrix. ?
8. Write a program in C++ to print the product of two N x N Matrix. ?
9. Write a program in C++ to read and display a M x N Matrix ?
10. Write a program in C++ to transpose of M x N Matrix ?
11. Write a program in C++ to print the sum of two M x N Matrix. ?
12. Write a program in C++ to print the product of two M x N Matrix. ?

**Text Processing with Classes**

1. Write a program in C++ to read and print the text ?
2. Write a program in C++ to count the upper, lower, number and special character of given text ?
3. Write a program in C++ to count the no. of lines, words & characters of given text ?
4. Write a program in C++ to copy one array to another array ?
5. Write a program in C++ to merge the two arrays ?
6. Write a program in C++ to copy the left N Characters ?
7. Write a program in C++ to copy the N Characters from M th position onwards ?
8. Write a program in C++ to find the length of given text or array ?
9. Write a program in C++ to copy the last N characters ?
10. Write a program in C++ to print the reverse of given array ?
11. Write a program in C++ to merge three arrays ?
12. Write a program in C++ to convert upper case to lower case letters ?
13. Write a program in C++ to convert lower case to upper case letters ?
14. Write a program in C++ to replace comma instead of semicolon ?
15. Write a program in C++ to replace semicolon instead of comma ?
16. Write a program in C++ to delete the comma in given string ?
17. Write a program in C++ to store the first position of every new line. ?
18. Write a program in C++ to print the Nth line ?
19. Write a program in C++ to print the Mth line to Nth line ?
20. Write a program in C++ to count the no of patterns exist on given string ?
21. Write a program in C++ to delete the pattern ?
22. Write a program in C++ to replace the given pattern ?