

**202- Object Oriented Programming With C++
Output (cout) Examples**

1. Write a program in C++ to display the message ? welcome to c++ programme writing? ?
2. Write a program in C++ to find the area of circle ?
3. write a program in C++ to find the area of triangle ?
4. Write a program in C++ to find the area of sphere ?
5. Write a program in C++ to find the circumference of circle ?

Input (cin) Examples

1. Write a program in C++ to find the area of circle using input value ?
2. Write a program in C++ to find the area of triangle using input value ?
3. Write a program in C++ to find the area of sphere using input value ?
4. Write a program in C++ to find the circumference of circle using input value ?
5. Write a program in C++ to read and print an given character ?
6. Write a program in C++ to print the ascii value of given character ?
7. Write a program in C++ to read and print the given integer ?
8. Write a program in C++ to read and print the given float ?
9. Write a program in C++ to read and print the given float with two decimal places ?
10. Write a program in C++ to read and print the given double ?
11. Write a program in C++ to read and print the given double with two decimal places ?
12. Write a program in C++ to Arithmetic operations of two integer numbers ?
13. Write a program in C++ to Arithmetic operations of two integer numbers .Print these results in separate lines ?
14. Write a program in C++ to Arithmetic operations of two long numbers .Print these results in separate lines ?
15. Write a program in C++ to Arithmetic operations of two float numbers .Print these results in separate lines ?
16. Write a program in C++ to Arithmetic operations of two double numbers .Print these results in separate lines ?
17. Character Examples
18. Write a program in C++ to print the upper case letters to lower case ?
19. Write a program in C++ to print the lower case letters to upper case ?
20. Datatype Conversion
21. Write a program in C++ to read float value and print integer equivalent ?
22. Write a program in C++ to read int value and print float equivalent ?
23. Manipulator Functions
24. Write a program in C++ to show of a numeric value of a variable using hex, oct, and dec manipulator functions. ?
25. Write a program in C++ to show of a numeric value of a variable using setbase functions. ?
26. Write a program in C++ to disply the value using setw manipulator functions. ?

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27. Write a program in C++ to display the value and fill unused field width some characters using setfill function. ?

IF Programs List

1. write a program in C++ to check whether the given number even or odd ?
2. write a program in C++ to check whether the given number positive ,negative or zero ?
3. write a program in C++ to check whether the given year is leap or not ?
4. Write a program in C++ to check whether the given character upper, lower , numbr or not ?
5. Write a program in C++ to change upper to lower ?
6. Write a program in C++ to change lower to upper ?
7. Write a program in C++ to print a word form of given number between 0 to 9 ?
8. Write a program in C++ to print a word form of given number is tens between 1 to 99 ?
9. Write a program in C++ for relations operations of two given integer numbers ?
10. Write a program in C++ for relations operations of two given float numbers ?
11. Write a program in C++ for given mark contain which grade ?
12. Write a program in C++ to find biggest of two given numbers ?
13. Write a program in C++ to find smallest of two given numbers ?
14. Write a program in C++ to find biggest of three given numbers ?
15. Write a program in C++ to find smallest of three given numbers ?
16. Write a program in C++ to find biggest of three given numbers using && operator ?
17. Write a program in C++ to find smallest of three given numbers using && operator ?
18. Write a program in C++ to display the name of the day in a week .here given input range is 1 to 7. ?
19. Write a program in C++ to find an biggest of four given numbers ?
20. Write a program in C++ to find an smallest of four given numbers ?
21. Write a program in C++ to find a vowel or not of given character ?

SWITCH Programs List

1. Write a program in C++ to display the name of the day in a week .here given input range is 1 to 7. ?
2. Write a program in C++ to print a word form of given number between 0 to 9 ?

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3. Write a program in C++ to print a word form of given number is tens between 1 to 99 ?
4. Write a program in C++ to find a vowel or not of given character ?

WHILE Programs List

Numbers with while loops

1. Write a program in C++ to print the numbers 1 to 100 ?
2. Write a program in C++ to sum of first 100 numbers ?
3. Write a program in C++ to sum of first N numbers ?
4. Write a program in C++ to sum of M to N numbers ?
5. Write a program in C++ to find the average of 1 to 100 ?
6. Write a program in C++ to sum of first N numbers ?
7. Write a program in C++ to average of M to N numbers ?
8. Write a program in C++ to display the even or odd numbers between 1 to 100 ?
9. Write a program in C++ to display the even or odd numbers of first N numbers ?
10. Write a program in C++ to display the even or odd numbers between to ranges ?
11. Write a program in C++ to display the leap years between 1000 to 2000 ?
12. Write a program in C++ to display the leap years of given range ?
13. Write a program in C++ to print the numbers between two ranges ?
14. Write a program in C++ to print the number until -1000 is given a input ?
15. Write a program in C++ to print the positive , negative and zero until -1000 is given a input ?
16. Write a program in C++ to count the positive , negative numbers and zero until -1000 is given a input ?
17. Write a program in C++ to sum of the positive , negative numbers until -1000 is given a input ?
18. Write a program in C++ to mean of the positive , negative numbers until -1000 is given a input ?
19. Write a program in C++ to factorial of given number until -1000 is given a input ?

Comparsion of numbers with while loops

1. Write a program in C++ to find biggest of two numbers using ternary operator ?
2. Write a program in C++ to find smallest of two numbers using ternary operator ?
3. Write a program in C++ to find biggest of three numbers using ternary operator ?
4. Write a program in C++ to find smallest of three numbers using ternary operator ?

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5. Write a program in C++ to find biggest of ten numbers ?
6. Write a program in C++ to find smallest of ten numbers ?
7. Write a program in C++ to find biggest of N numbers ?
8. Write a program in C++ to find smallest of N numbers using ternary operator ?
9. Write a program in C++ to read and display 10 numbers using array ?
10. Write a program in C++ to read and display of N numbers using array ?
11. Write a program in C++ to find mean of ten numbers using array ?
12. Write a program in C++ to find mean of N numbers using array ?
13. Write a program in C++ to find the biggest of 10 numbers using array ?
14. Write a program in C++ to find the smallest of 10 numbers using array ?
15. Write a program in C++ to find the position of biggest number in the array ?
16. Write a program in C++ to find the position of smallest number in the array ?
17. Write a program in C++ to find the positions of biggest & smallest number in the array ?
18. Write a program in C++ to interchange the biggest & smallest number in the array ?
19. Write a program in C++ to find the second biggest of N numbers using array ?
20. Write a program in C++ to find the second smallest of N numbers using array ?
21. Write a program in C++ to find the second biggest and smallest of N numbers using array ?
22. Write a program in C++ to find the positions of second biggest and smallest of N numbers using array ?
23. Write a program in C++ to interchange the second biggest and smallest of N numbers using array ?

Matrix with while loops

1. Write a program in C++ to read and write 3x3 matrix ?
2. Write a program in C++ to read and display the transpose of 3x3 matrix ?
3. Write a program in C++ to find the sum of matrix ?
4. Write a program in C++ to find the product of two matrixes ?
5. Write a program in C++ to read and display MxN matrix ?
6. Write a program in C++ to read and display the transpose of MxN matrix ?
7. Write a program in C++ to sum of two MxN matrix ?
8. Write a program in C++ to product of two MxN matrix ?

Text Processing with while loops

1. Write a program in C++ to read the characters and display until \$ is given ?
2. Write a program in C++ to read the characters and display ascii value until \$ is given ?
3. Write a program in C++ to classify the character is upper or lower case until \$ is given ?

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4. Write a program in C++ to count the upper , lower , number and special characters until \$ is given ?
5. Write a program in C++ to read and print a word ?
6. Write a program in C++ to read and print a sentence until . is given ?
7. Write a program in C++ to read a line until ?\n? is given ?
8. Write a program in C++ to read a text until ?\$? is given ?
9. Write a program in C++ to count the number of characters in the input text ?
10. Write a program in C++ to count the number of words in the input text ?
11. Write a program in C++ to count the number of characters ,words and lines ?
12. Write a program in C++ to copy one array to another array ?
13. Write a program in C++ to copy the first N characters ?
14. Write a program in C++ to copy the N characters form M position onwards ?
15. Write a program in C++ to copy the last N characters ?
16. Write a program in C++ to copy upper to lower case ?
17. Write a program in C++ to copy lower to upper case ?
18. Write a program in C++ to replace semicolon instead of comma ?
19. Write a program in C++ to replace by comma instead of semicolon; ?
20. Write a program in C++ to delete comma from the given string ?
21. Write a program in C++ to copy the reverse of the given string ?
22. Write a program in C++ to merge to arrays ?
23. Write a program in C++ to count the lines in the text ?
24. Write a program in C++ to print the first position of every line in the given text ?
25. Write a program in C++ to store the first position of every line in the given text in array ?
26. Write a program in C++ to print the M th line ?
27. Write a program in C++ to print the M th to N th line ?

Pattern Matching with while loops

1. Write a program in C++ to find out given pattern exist or not ?
2. Write a program in C++ to count the no of times occur in given pattern ?
3. Write a program in C++ to delete the given pattern ?
4. Write a program in C++ to replace the given pattern ?

FOR Programs List

Numbers with for loops

1. Write a program in C++ to print the numbers 1 to 100 ?
2. Write a program in C++ to sum of first 100 numbers ?
3. Write a program in C++ to sum of first N numbers ?
4. Write a program in C++ to sum of M to N numbers ?
5. Write a program in C++ to find the average of 1 to 100 ?
6. Write a program in C++ to sum of first N numbers ?

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7. Write a program in C++ to average of M to N numbers ?
8. Write a program in C++ to display the even or odd numbers between 1 to 100 ?
9. Write a program in C++ to display the even or odd numbers of first N numbers ?
10. Write a program in C++ to display the even or odd numbers between to ranges ?
11. Write a program in C++ to display the leap years between 1000 to 2000 ?
12. Write a program in C++ to display the leap years of given range ?
13. Write a program in C++ to print the number until -1000 is given a input ?
14. Write a program in C++ to print the positive , negative and zero until -1000 is given a input ?
15. Write a program in C++ to count the positive , negative numbers and zero until -1000 is given a input ?
16. Write a program in C++ to sum of the positive , negative numbers until -1000 is given a input ?
17. Write a program in C++ to mean of the positive , negative numbers until -1000 is given a input ?
18. Write a program in C++ to factorial of given number until -1000 is given a input ?

Comparison of numbers with for loops

1. Write a program in C++ to find biggest of ten numbers ?
2. Write a program in C++ to find smallest of ten numbers ?
3. Write a program in C++ to find biggest of N numbers ?
4. Write a program in C++ to find smallest of N numbers ?
5. Write a program in C++ to read and display 10 numbers using array ?
6. Write a program in C++ to read and display of N numbers using array ?
7. Write a program in C++ to find mean of ten numbers using array ?
8. Write a program in C++ to find mean of N numbers using array ?
9. Write a program in C++ to find the biggest of 10 numbers using array ?
10. Write a program in C++ to find the smallest of 10 numbers using array ?
11. Write a program in C++ to find the position of biggest number in the array ?
12. Write a program in C++ to find the position of smallest number in the array ?
13. Write a program in C++ to find the positions of biggest && smallest number in the array ?
14. Write a program in C++ to interchange the biggest&& smallest number in the array ?
15. Write a program in C++ to find the second biggest position of N numbers using array ?
16. Write a program in C++ to find the second smallest position of N numbers using array ?
17. Write a program in C++ to find the second biggest and smallest position of N numbers using array ?

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18. Write a program in C++ to interchange the second biggest and smallest of N numbers using array ?

Matrix with for loops

1. Write a program in C++ to read and write 3x3 matrix ?
2. Write a program in C++ to read and display the transpose of 3x3 matrix ?
3. Write a program in C++ to find the sum of matrix ?
4. Write a program in C++ to find the product of two matrixes ?
5. Write a program in C++ to read and display MxN matrix ?
6. Write a program in C++ to read and display the transpose of MxN matrix ?
7. Write a program in C++ to sum of two MxN matrix ?
8. Write a program in C++ to product of two MxN matrix ?

Text Processing with for loops

1. Write a program in C++ to read the characters and display until \$ is given ?
2. Write a program in C++ to read the characters and display ascii value until \$ is given ?
3. Write a program in C++ to classify the character is upper or lower case until \$ is given ?
4. Write a program in C++ to count the upper , lower , number and special characters until \$ is given ?
5. Write a program in C++ to read and print a word ?
6. Write a program in C++ to read and print a sentence until . is given ?
7. Write a program in C++ to read a line until ?\n? is given ?
8. Write a program in C++ to read a text until ?\$? is given ?
9. Write a program in C++ to count the number of characters in the input text ?
10. Write a program in C++ to count the number of words in the input text ?
11. Write a program in C++ to count the number of characters ,words and lines ?
12. Write a program in C++ to copy one array to another array ?
13. Write a program in C++ to copy the first N characters ?
14. Write a program in C++ to copy the N characters form M position onwards ?
15. Write a program in C++ to copy the last N characters ?
16. Write a program in C++ to copy upper to lower case ?
17. Write a program in C++ to copy lower to upper case ?
18. Write a program in C++ to replace by comma instead of semicolon; ?
19. Write a program in C++ to delete comma from the given string ?
20. Write a program in C++ to copy the reverse of the given string ?
21. Write a program in C++ to merge to arrays ?
22. Write a program in C++ to fortran to pascal statement ?
23. Write a program in C++ to pascal to fortran statement ?
24. Write a program in C++ to count the lines in the text ?
25. Write a program in C++ to print the first position of every line in the given text ?

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26. Write a program in C++ to store the first position of every line in the given text in array ?
27. Write a program in C++ to print the M th line ?
28. Write a program in C++ to print the M th to N th line ?

Pattern Matching with for loops

1. Write a program in C++ to find out given pattern exist or not ?
2. Write a program in C++ to count the no of times occurs in given pattern ?
3. Write a program in C++ to delete the given pattern ?
4. Write a program in C++ to replace the given pattern ?

DOWHILE Programs List

1. Write a program in C++ to print the numbers between 1 to 1000 ?
2. Write a program in C++ to print even or odd the given range ?
3. Write a program in C++ to find leap or not ?

STRUCTURES Programs List

1. Write a program in C++ to read and display the bio-data and default inputs ?
2. Write a program in C++ to read and display the bio-data with inputs ?
3. Write a program in C++ to area of circle with input initialization ?
4. Write a program in C++ to area of circle with input ?
5. Write a program in C++ to find the biggest of three numbers using structure ?
6. Write a program in C++ to find the smallest of three numbers using structure ?
7. Write a program in C++ to read and display the bio-data using nested structure ?
8. Write a program in C++ to read and display the bio-data of 10 students using nested structure ?
9. Write a program in C++ to read and display the numbers using typedef ?
10. Write a program in C++ to read and display the bio-data using typedef ?
11. Write a program in C++ to read and display the bio-data using typedef (declaration structure) ?
12. Write a program in C++ to read and display the complete bio-data using typedef (declaration structure) ?
13. Write a program in C++ to read and display the complex number ?
14. Write a program in C++ to read and display the two complex number ?
15. Write a program in C++ to read and display the sum of two complex numbers ?
16. Write a program in C++ to read and display the difference of two complex numbers ?
17. Write a program in C++ to read and display a point of curve ?
18. Write a program in C++ to distance between two points ?
19. Write a program in C++ to read and display given number. ?

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20. Write a program in C++ to read and display the DOB using bit field ?

FUNCTIONS Programs List

Numbers with Functions

1. Write a program in C++ to sum of two integer numbers with default arguments. ?
2. Write a program in C++ to sum of two integer numbers with inputs ?
3. Write a program in C++ to sum of two integer numbers with inputs and default arguments ?
4. Write a program in C++ to find the biggest of two integer numbers with default arguments ?
5. Write a program in C++ to find the Smallest of two integer numbers with inputs. ?
6. Write a program in C++ to find the smallest of two integer numbers using default arguments ?
7. Write a program in C++ to find the smallest of two integer numbers with inputs. ?
8. Write a program in C++ to find the area of circle ?
9. Write a program in C++ to find the volume of sphere ?
10. Write a program in C++ to find out the given number is even or odd. ?
11. Write a program in C++ to find out the given year is leap year or not. ?
12. Write a program in C++ to print the single digit number into words. ?
13. Write a program in C++ to print 11-19 range to words ?
14. Write a program in C++ to print the tens (10,20,..90) into words. ?
15. Write a program in C++ to print the limit 0-99 into words ?
16. Write a program in C++ to print the limit 0-999 into words ?
17. Write a program in C++ to read and print the ten numbers ?
18. Write a program in C++ to find out the biggest of ten numbers ?
19. Write a program in C++ to find out the smallest of ten numbers. ?
20. Write a program in C++ to find out the biggest and smallest of ten numbers. ?
21. Write a program in C++ to find out the index of biggest of ten numbers in array ?
22. Write a program in C++ to find out the index of smallest of ten numbers in array ?
23. Write a program in C++ to interchange the biggest and smallest of ten numbers. ?
24. Write a program in C++ to merge two arrays (array size is 10). ?
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 ?

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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 ?
31. Matrix with Functions
32. Write a program in C++ to read and display a 3 x 3 Matrix ?
33. Write a program in C++ to transpose the 3 x 3 Matrix ?
34. Write a program in C++ to print the sum of two 3 x 3 Matrix. ?
35. Write a program in C++ to print the product of two 3 x 3 Matrix. ?
36. Write a program in C++ to read and display a N x N Matrix. ?
37. Write a program in C++ to transpose the N x N Matrix ?
38. Write a program in C++ to print the sum of two 3 x 3 Matrix. ?
39. Write a program in C++ to print the product of two N x N Matrix. ?
40. Write a program in C++ to read and display a M x N Matrix. ?
41. Write a program in C++ to transpose of M x N Matrix ?
42. Write a program in C++ to print the sum of two M x N Matrix. ?
43. Write a program in C++ to print the product of two M x N Matrix. ?
44. Text Processing with Functions
45. Write a program in C++ to read and print the text ?
46. Write a program in C++ to count the upper, lower, number and special character of given text ?
47. Write a program in C++ to count the no. of lines, words & characters of given text ?
48. Write a program in C++ to copy one array to another array ?
49. Write a program in C++ to merge the two arrays ?
50. Write a program in C++ to copy the left N Characters ?
51. Write a program in C++ to copy the N Characters from M th position onwards ?
52. Write a program in C++ to find the length of given text or array. ?
53. Write a program in C++ to copy the last N characters ?
54. Write a program in C++ to print the reverse of given array ?
55. Write a program in C++ to merge three arrays ?
56. Write a program in C++ to convert upper case to lower case letters ?
57. Write a program in C++ to convert lower case to upper case letters ?
58. Write a program in C++ to replace comma instead of semicolon ?
59. Write a program in C++ to replace semicolon instead of comma ?
60. Write a program in C++ to delete the comma in given string ?
61. Write a program in C++ to store the first position of every new line. ?
62. Write a program in C++ to print the Nth line ?
63. Write a program in C++ to print the Mth line to Nth line ?
64. Write a program in C++ to count the no of patterns exist on given string. ?
65. Write a program in C++ to delete the pattern ?
66. Write a program in C++ to replace the given pattern ?
67. Files with functions
68. Write a program in C++ to read text and store into file ?
69. Write a program in C++ to read text from file and print to screen ?

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70. Write a program in C++ to cat all files. (cat command in unix) ?
71. Write a program in C++ to copy one file into another file (copy command) ?
72. Write a program in C++ to merge two files ?
73. Write a program in C++ to print the entire file using array ?
74. Write a program in C++ to print the entire file along the line number. ?
75. Write a program in C++ to print the entire file on page by page along the line number ?
76. Write a program in C++ to count the no of upper, lower and special charactes in the file ?
77. Write a program in C++ to count the no of lines, words and characters. ?
78. Write a program in C++ to count the given pattern into the file. ?

