

## INDEX

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1	Write a program to take a number as input and print its multiplication table.	4/9/25	
2	Write a program to check whether a number is odd or even.	4/9/25	
3	Write a program to check whether a number is positive or negative.	4/9/25	
4	Write a program to find the greatest of three numbers using the ternary operator.	4/9/25	
5	Re-implement Q1–Q4 using a class in C++.	4/9/25	
6	Define a class Student to get information of 10 students and show their details.	4/9/25	
7	Define a class Student to get information of 10 students and show their details using a constructor	4/9/25	
8	Find the square of an int value using a macro and the square of a float value using an inline function.	18/9/25	
9	Find the square of an int and a float value using function overloading.	18/9/25	
10	Write a program to count the number of objects created in a program using a static counter.	18/9/25	

11	Write a program to perform addition of two complex numbers using constructor overloading and implement a destructor.	25/9/25	
12	Write a program to implement a copy constructor.	25/9/25	
13	Write a program to implement a friend function (with student class example).	25/9/25	
14	Write a program to find the greatest of two given numbers in two different classes using a friend function.	30/9/25	
15	Write a program to implement operator overloading for strings (+, =, <=, length, to lower, to upper).	30/9/25	
16	Write a program to override a function in the derived class using a virtual function.	30/9/25	
17	Write a program to access base class members using inheritance (private, protected, public).	13/11/25	
18	Write a program to show has-a relationship (e.g., Car has an Engine).	13/11/25	
19	Create a class LIST with two pure virtual functions store() and retrieve(); derive Stack and Queue from it and override these functions.	13/11/25	
20	Write a program to define a function template for calculating the square of given numbers with different data types.	13/11/25	
21	Write a program to demonstrate the use of special functions — constructor and destructor — in a class template.	13/11/25	