

1. Write a program in C++ to use scope resolution operator.
2. Write down program to overload unary operators? (Any three operators).
3. Write a C++ program involving a function template.
4. Explain class template and function template with example.
5. Explain name space with example.
6. What is the difference between opening a file with construction function & open ( ) function.
7. Explain what is type casting, Explain Implicit and explicit type of conversion with example.
8. What is runtime polymorphism? How it is achieved in C++. Explain it along with example.
9. What are various functions which are used to manipulate file pointers? Explain using example.
10. Explain the use of command line arguments. If we want to pass command line arguments what will be prototype of main function and explain its arguments along with example.
11. Write a short note on typename and export keyword in C++.
12. Differentiate between sequence containers and associative containers in the STL. Provide examples of each.
13. Discuss the advantages of using container adapters in STL.
14. What is meant by user defined exception? Give one example.
15. Differentiate between sequence containers and associative containers in the STL. Provide examples of each.
16. Define a class string and use binary overloaded operator (==) to compare two strings.
17. Write C++ program to demonstrate use of unary operator (-) overloading using member function and unary operator overloading (++) using friend function.
18. Explain the error handling in file I/O.
19. What is template function? Explain with suitable example.
20. Write a program to implement map in C++.
21. Write a program Using the C++ file input and output class with open(), get(), put(), close() methods for opening, reading from and writing to a file. Use append mode while opening the file for writing.

22. Define a class Person that has three attributes viz name, gender and age. Write a C++ Program that writes an object to a file and reads an object from file.
23. What is a vector? Enlist and explain any 5 functions of vector by using a C++ program.
24. What is command-line arguments, Explain using C++ program.