

1. Write a C++ program to swap two numbers using pointers.
2. Write a C++ program to print the first 10 natural numbers using a `for` loop.
3. Write a C++ program with a function called `isPrime` that takes an integer as input and returns `true` if the number is prime, otherwise `false`. Use this function to check if a number entered by the user is prime
4. Write a C++ program to find the largest element in an array of integers.

Topics for term paper:

1. OOPs vs POP
2. OOPs in embedded system
3. OOPs in networking
4. Multithreading and concurrency in C++
5. OOPs in game development
6. Concept of OOPs in DBMS
7. OOPs concept in GUI
8. Move Semantics and Rvalue references
9. Ambiguity problem and scope resolution operator
10. SOLID principle in C++
11. Advanced Polymorphism in C++
12. Template metaprogramming in C++
13. Exception handling in C++
14. Component based design in C++
15. OOPS in AI
16. Dependency injection in C++
17. Properties of Modern C++
18. Object oriented simulation and modelling