**Question Bank**

Unit-1

1. What Is The Structure Of C Program? Explain With An Example.

2. Discuss The Datatype,Literals,Constant And Variable With Example.

3. Discuss The Unformatted I/O Function With Appropriate Example.

4. What Is A Token? What Is The Different Types Of Token Available In C Language.

5. Explain Various Types Of Datatype With Example.

6 What Is Expression ? Explain The Role Of Operator Precedence And Assosiativity In Solving An Expression.

7. Explain the History & Advantage Of C Language?

8.Explain:

A) Algorithm

B) Flowchart

9. Explain Operators With Example.

10. Explain Precedence And Associativity.

Unit-2

1. Explain The Different Types Of Loops.

2. Show How Break And Continue Statement Used In C Program With Example.

3. Explain Conditional Statement ? Explain Two Way Branching And Multi Way Branching Statement With Example.

4. Explain Branching Statement? With Example.

5. Explain Switching Statement With Example.

6. Difference Between While And Do-While Loop.

1. [C Program To Check Whether A Character Is A Vowel Or Consonant](https://www.programiz.com/c-programming/examples/vowel-consonant).
2. [C Program To Find The Largest Number Among Three Numbers](https://www.programiz.com/c-programming/examples/largest-number-three)
3. [C Program To Find The Roots Of A Quadratic Equation](https://www.programiz.com/c-programming/examples/quadratic-roots)
4. [C Program To Check Leap Year](https://www.programiz.com/c-programming/examples/leap-year) [Program To Display Fibonacci Sequence](https://www.programiz.com/c-programming/examples/fibonacci-series)
5. [C Program To Find Lcm Of Two Numbers](https://www.programiz.com/c-programming/examples/lcm)
6. [C Program To Reverse A Number](https://www.programiz.com/c-programming/examples/reverse-number)
7. [C Program To Calculate The Power Of A Number](https://www.programiz.com/c-programming/examples/power-number)
8. [C Program To Check Whether A Number Is Palindrome Or Not](https://www.programiz.com/c-programming/examples/palindrome-number)
9. [C Program To Check Whether A Number Is Prime Or Not](https://www.programiz.com/c-programming/examples/prime-number).
10. [C Program To Check Armstrong Number](https://www.programiz.com/c-programming/examples/check-armstrong-number)

Unit-3

1. What Is An Array? How A Single Dimension And Two Dimension Arrays Are Declared And Initialized?
2. Write An Algorithm And Develop A C Program That Reads N Integer Numbers And Arrange Them In Ascending Order Using Sort.
3. Explain Arrays Types With Example.
4. Explain the concept of Command line argument with example.
5. explain:
   1. array of pointer
   2. pointer to function
6. [C Program To Add Two Matrices Using Multi-Dimensional Arrays](https://www.programiz.com/c-programming/examples/add-matrix).
7. [C Program To Multiply Two Matrices Using Multi-Dimensional Arrays](https://www.programiz.com/c-programming/examples/matrix-multiplication).
8. [C Program To Sort An Array Using Sort](https://www.geeksforgeeks.org/c-program-for-bubble-sort/)ing technique.
9. What Is A Pointer? Explain How The Pointer Variable Declared And Initialized.
10. Explain void pointer and null pointer.
11. Write Program To Explain Passing Structure To Function And Returning structure From Function.
12. What Is Pointer ? Explain Use Of Reference And Dereference Operators In Pointer.

13. Explain :

a) array of pointer

b) pointer to pointer

14. [C Program To Swap Two Numbers](https://www.geeksforgeeks.org/c-program-swap-two-numbers/) Using Pointer.

Unit-4

1. Write A Program In C Using Functions To Swap Two Numbers Using The Concept Of Call By Reference And Call By Value Concept.
2. What Is Function? and also explain its various categories
3. Write A C-Program Using Functions To Generate The Fibonacci Series.
4. What Is Recursion? Explain. Write A C-Program Using Recursive Function For Binary To Decimal Conversion.
5. Explian the concept of storage classes with its types.
6. .Write A C-Program Using Function To Check Whether The Given Number Is Prime Or Not.
7. Explain Structure With Example.
8. Explain Structure Within A Structure With An Example.
9. [C Program To Store Information Of A Student Using Structure](https://www.programiz.com/c-programming/examples/structure-store-information)
10. 1 [C Program To Find Factorial Of A Number Using Recursion](https://www.programiz.com/c-programming/examples/factorial-recursion)
11. 2. [C Program To Calculate The Power Using Recursion](https://www.programiz.com/c-programming/examples/power-recursion).
12. 3. [C Program Swap Numbers In Cyclic Order Using Call By Reference](https://www.programiz.com/c-programming/examples/swapping-cyclic-order)
13. Difference between array ,structure and union with example.

Unit-5

1. Explain File Handling Function.
2. What Is String ? Explain Any Four String Handling Function Library Function .
3. Explain String Manipulation Library Functions With Their Syntaxes. Write A Program To Check Whether A String Is Palindrome Or Not.
4. Difference between Text and Binary files.
5. Explain the concept of file Stream with example.
6. Write the syntax of opening and closing file with suitable examples.