



# ALL INDIA COUNCIL FOR PROFESSIONAL EXCELLENCE

## STUDENT DETAILS

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Institute: GLOBAL COMPUTER INSTITUTE

Course: PROGRAMMING IN C



## RESULT

marks print80

<b>Exam Duration</b>	60 Minutes
<b>Type of Questions:</b>	Multiple Choice, Single Answer
<b>Total Marks:</b>	100
<b>Passing Marks:</b>	40.00
<b>Marks/Qus:</b>	1.67
<b>Correct answers:</b>	48
<b>Incorrect answers:</b>	12
<b>Total Marks Obtained:</b>	80
<b>Percentage marks &amp; Grade:</b>	80.00% - A : Very Good

**Status:**

Passed

[EXIT \(https://www.aicpeindia.ac.in/exam/home/logout\)](https://www.aicpeindia.ac.in/exam/home/logout)[View Answers](#)[Growth Chart](#)

Q.1 What is the purpose of using constants in C programs?

Answer: To represent fixed values

Q.2 What is the maximum value that can be stored in an "int" data type in C?

Answer: 2147483647

Q.3 What is the role of the feof() function in C file processing?

Answer: To check if the end-of-file marker is set

Q.4 How do you declare a character array named "name" to store a string of up to 20 characters in C?

Answer: `char name[20];`

Q.5 What is the purpose of the ternary operator in C?

Answer:

Q.6 What happens if the loop condition in a do-while loop is always false?

Answer: The loop will not run at all

Q.7 Which keyword is used to define a constant in C?

Answer: `const`

Q.8 What is the default return type of a function in C, if not specified explicitly?

Answer: `int`

Q.9 In C, what is the primary purpose of a for loop?

Answer: To execute a block of code repeatedly

Q.10 In a for loop, when is the condition checked in C?

Answer: During each iteration

Q.11 In C, what is the keyword used to define a function?

Answer: `void`

Q.12 What is the syntax to include a header file in C language?

Answer: `#include "file.h"`

Q.13 How do you declare a two-dimensional array of integers named "matrix" with 3 rows and 4 columns in C?

Answer: `int matrix[3][4];`

Q.14 What happens if you try to access an index beyond the size of the array?

Answer: It will give a runtime error

Q.15 What is the drawback of excessive recursion in C programming?

Answer: It consumes more memory and may lead to a stack overflow

Q.16 What is the result of the expression:  $3 + 2 * 4 - 7 / 2$ ?

Answer: 5

Q.17 What is the size of a multi-dimensional array in C determined by?

Answer: The number of elements in each dimension

Q.18 What is the difference between text and binary file modes in C?

Answer: Text mode stores data in a human-readable format

Q.19 What is the main advantage of using structures in C?

Answer: They simplify complex data storage

Q.20 How do you write data to a binary file in C?

Answer: `fwrite()`

Q.21 What is the maximum number of dimensions an array can have in C?

Answer: There is no maximum limit

Q.22 How is a recursive function different from a normal function?

Answer: It calls itself during execution

Q.23 How can you declare a C function that returns a pointer to an integer?

Answer: `int *functionName();`

Q.24 What happens if the condition of a for loop is initially false in C?

Answer: The loop executes once

Q.25 In a C structure, how are the individual members accessed?

Answer: Using the dot (.) operator

Q.26 Recursion is often used to solve problems that can be divided into:

Answer: Smaller, identical sub-problems

Q.27 In C, which data type is used to store single characters?

Answer: `char`

Q.28 How can you declare a function that takes no arguments in C?

Answer: functionName;

Q.29 How do you represent the Boolean data type in C?

Answer: int

Q.30 What is the purpose of declaring a function prototype in C?

Answer: To declare the function

Q.31 In C, which symbol is used to indicate the start and end of a block of code?

Answer: { }

Q.32 In a function declaration, what information is typically included?

Answer: Function name and return type

Q.33 What is the index of the first element in an array?

Answer: 0

Q.34 What was the primary motivation behind the development of C?

Answer: System programming

Q.35 What is the index of the first element in a C array?

Answer: 0

Q.36 Which header file is used to work with dynamic memory allocation in C?

Answer: memory.h

Q.37 Which statement can be used to increment a loop counter in a while loop in C?

Answer: ++

Q.38 The data structure used in recursion is:

Answer: Stack

Q.39 What is the result of the expression  $5 + 3 * 2$  in C?

Answer: 11

Q.40 In C, what is the primary purpose of the fputc() function?

Answer: To write a character to a file

Q.41 What is the purpose of including a header file with function prototypes in a C program?

Answer: To make the program more readable

Q.42 The function that calls itself in recursion is called:

Answer: Recursive

Q.43 What is a pointer in C programming?

Answer: A memory address

Q.44 What is the index of the first element in a one-dimensional C array?

Answer: 0

Q.45 What happens if you exceed the declared size of a character array in C when storing a string?

Answer: It generates a compilation error

Q.46 Which keyword is used to define a constant in C?

Answer: const

Q.47 In C, which keyword is used to start an if statement?

Answer: if

Q.48 How do you initialize a one-dimensional array of integers in C with values 1, 2, 3, 4, and 5?

Answer: `int numbers[5] = {1, 2, 3, 4, 5};`

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Answer: `int numbers[5] = {1, 2, 3, 4, 5};`

Q.50 Which of the following is a valid C programming identifier?

Answer: `my_var123`

Q.51 What is the difference between an array name and a pointer in C?

Answer: Array names cannot be used as pointers

Q.52 What is the key difference between a structure and a union in C?

Answer: Structures store data sequentially

Q.53 In C, how do you access the element in the second row and third column of a two-dimensional array "arr"?

Answer: `arr[1][3]`

Q.54 In C, can we have nested if-else statements?

Answer: Yes

Q.55 Which keyword is used to define the beginning of an if statement in C?

Answer: if

Q.56 Can a structure contain a member that is itself a structure of the same type?

Answer: Yes

Q.57 In a nested for loop, which loop is considered the outer loop?

Answer: The loop with the larger iteration count \*

Q.58 What is the keyword used to exit a loop prematurely in C?

Answer: break

Q.59 What is a null pointer in C?

Answer: A pointer with a value of 0

Q.60 What is the range of the "char" data type in C?

Answer: -128 to 127