

1. What is the C character set?
2. What are the rules for creating identifiers in C language?
3. Can keywords be used as identifiers in C?
4. What are the data types available in C language?
5. What is the difference between constants and symbolic constants in C?
6. How do you declare variables in C language?
7. What is the structure of a basic C program?
8. How to write and execute the first C program?
9. What is the #include preprocessor directive used for in C language?
10. What are expression statements in C language?
11. What is a compound statement in C language?
12. What are the different types of operators used in C language?
13. What is the if statement in C language and how is it used?
14. What is the difference between if and if...else statement in C?
15. What is an else if ladder in C language?
16. What is the while loop in C language and how is it used?
17. How does the do...while loop work in C language?
18. What is the for loop in C language and how is it used?
19. How does the switch statement work in C language?
20. What is a nested control structure in C language?
21. What is the break statement in C language and how is it used?
22. What is a labelled break statement in C language?
23. What is the continue statement in C language and how is it used?
24. What is a labelled continue statement in C language?
25. What is the exit statement in C language and how is it used?
26. What is the goto statement in C language and how is it used?

1. What is the difference between a function declaration and a function definition in C?
2. How does the scope of a function affect its visibility and usage in a program?
3. Can you explain what recursion is and provide an example of a recursive function in C?
4. What is the difference between call by value and call by reference in C and when do we use each?
5. What is a preprocessor directive and how do we use it in C programming?
6. What is the purpose of using #define, macros with arguments, and nested macros in C?
7. How do the # and ## operators work in preprocessor directives in C?
8. What is conditional compilation and when would we use it in C programming?
9. What are the different storage classes in C (automatic, external, static, and register) and how do they affect the scope and life of a variable?
10. Can you explain the difference between arrays and pointers in C, and how they are related?
11. What is pointer arithmetic and how can we use it in C programming?
12. What is dynamic memory allocation and why is it important in C programming?
13. Can you give an example of a pointer to an array and an array of pointers in C?

14. How do we use pointers to functions and arrays of pointers to functions in C programming?

1. What is a structure in C language?
2. Can you explain the difference between a structure and a union in C language?
3. How can we pass a structure to a function in C language?
4. What is a self-referential structure in C language?
5. What are bit fields in C language?
6. What is the difference between ASCII and binary file in C language?
7. Can you name some standard library functions used in C language?
8. Can you explain the usage of command line arguments in C language?
9. What is an enumeration in C language?
10. Can you explain the use of arrays and structures in C language?