

1. An octal integer constant is any combination of digits between ... and
2. A sequence of digits prefixed by 0x or 0X is considered a ... integer.
What is the decimal value for 0x3E?
3. ... in C language are used to store data in memory, which can be modified or used in the program during program execution.
4. Which file extension represents the source code of the C language?
5. Which error in C is hardest to detect and becomes clear only with deeper understanding?
6. What is the value of the C expression $12 \% 4 + 6 \% 4$?
7. Increment and decrement operators in the C language are binary operators.
True / False. Explain.
8. The sizeof() operator in C returns the size of an operand in ...
(1) Bits (2) Bytes (3) Nibble (4) It depends on the compiler
9. Which one of these is not a valid identifier in C?
(1) EMP_ID (2) b20xyza123 (3) 123abcd (4) abcd123
10. In the C language, the statements $a += b$ and $a = a(1 + b/a)$ are equivalent.
True/false
11. Which operator/group of operators have the highest precedence in C?
(1) && (2) ++ (3) () (4) *
12. Which operator combines two or more relational expressions in C?
(1) ^ (2) ~ (3) && (4) &
13. Which statement about variable scope is correct in C?
(1) Variables created within a function cannot use in another function.
(2) Variables created within one function can be used in another function.
(3) Variables created within a function can only be used in the main() function.
14. If a C program has ... errors, it will not compile.
15. What does an ampersand (&) before a variable indicate in C?
(1) Actual value (2) Data type (3) Address (4) Variable name

16. C is a Low-level/middle-level/high-level language, because ...
17. The main() function in a C program doesn't return any value.
True/False
18. A single declaration in C can contain variables of different data types.
True/False
19. The C language uses the compiler as a translator?
True/False. Explain.
20. The logical operators ... and ... are used when we want to make decisions by testing more than one situation.
21. Which of the following is not a valid data type in C?
(1)float (2)long (3)double (4)char
22. Which process notifies the compiler of a variable name and type?
(1)Assignment (2)declaration (3)Initialization (4)Execution
23. Which operator in C is an alternative to the traditional "if-else" for two-way selection?
24. Which operator is used for bitwise AND in C? (1)&& (2)| (3)^ (4)&
25. Which symbol is used to start an escape sequence in C?
(1)^ (2)~ (3)& (4)\
26. Which variables in C have higher priority: global or local?
(1)Global, local (2)Local global (3)Depends on the code
27. How many bytes are required to store a character/double in C?
(1) 1/2 (2)1/8 (3)2/4 (4)2/8
28. C programs are highly ..., meaning they can run on other machines with minimal or no change.
(1) lightweight (2)portable (3)user-friendly (4)manageable
29. What is the correct range for an "unsigned int" in C?
(1) -32768 to 32768 (2)-65536 to 65536 (3)0 to 65536 (4)-128 to 127
30. Which way correctly comment the single line in C?
(1) /*printf("Hello")*/; (2) //printf("Hello"); (3) /*printf("Hello"); (4) *{printf("Hello");}