

Multiple choice questions

- 1. What does a function definition in C specify?**
 - a) How to call a function
 - b) The actual implementation of the function
 - c) The libraries required for the function
 - d) The input/output format of the program
- 2. Which part of a function definition indicates the type of value it returns?**
 - a) Function name
 - b) Parameter list
 - c) Return type
 - d) Return value
- 3. What is the role of a void return type in a function?**
 - a) The function cannot be called.
 - b) The function does not return any value.
 - c) The function accepts no parameters.
 - d) The function is executed multiple times.
- 4. Which of the following is true about a function call in C?**
 - a) It defines what the function does.
 - b) It executes the code inside the function body.
 - c) It specifies the parameters of the function.
 - d) It is optional in C programs
- 5. What happens when a function is called in a C program?**
 - a) The program terminates.
 - b) Control jumps to the function definition.
 - c) The program skips the function call.
 - d) The function is compiled separately.
- 6. What are user-defined functions in C?**
 - a) Functions created by the programmer for specific tasks
 - b) Functions that are predefined in C libraries
 - c) Functions that return no value
 - d) Functions that cannot accept parameters
- 7. What is one advantage of user-defined functions?**
 - a) They eliminate the need for parameters.
 - b) They make code modular and easier to maintain.

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Self-Made Assignment - Functions in C

Definition and calling of a function

- c) They are predefined in all C compilers.
d) They cannot be reused.
8. **What is “abstraction” in the context of user-defined functions?**
a) Hiding unnecessary details by naming the function meaningfully
b) Writing complicated code for every function call
c) Making functions inaccessible to other programs
d) Eliminating the need for return types
9. **Which of the following is a standard library function in C?**
a) calculateInterest()
b) sortArray()
c) printf()
d) customFunction()
10. **What is required to use the `sqrt()` function in a C program?**
a) `#include <stdio.h>`
b) `#include <math.h>`
c) `#include <string.h>`
d) `#include <stdlib.h>`
11. **Why are standard library functions advantageous?**
a) They are slower than user-defined functions.
b) They save time and effort for common tasks.
c) They cannot be used across platforms.
d) They require user-defined code to work.
12. **Which of the following functions is used to calculate the length of a string in C?**
a) printf()
b) scanf()
c) strlen()
d) strcat()

