

# Functions in C

9.What are functions in C? Explain function declaration, definition, and how to call a function. Provide examples.

→ A function typically consists of a declaration, a definition, and a call.

→ Mainly Used two type.

→ **Function Definition :**

→ **Purpose:** Contains the actual code that defines what the function does.

→ **Syntax:**

→ `return_type function_name(parameter_type parameter_name) {`

→ `// Function body`

→ `}`

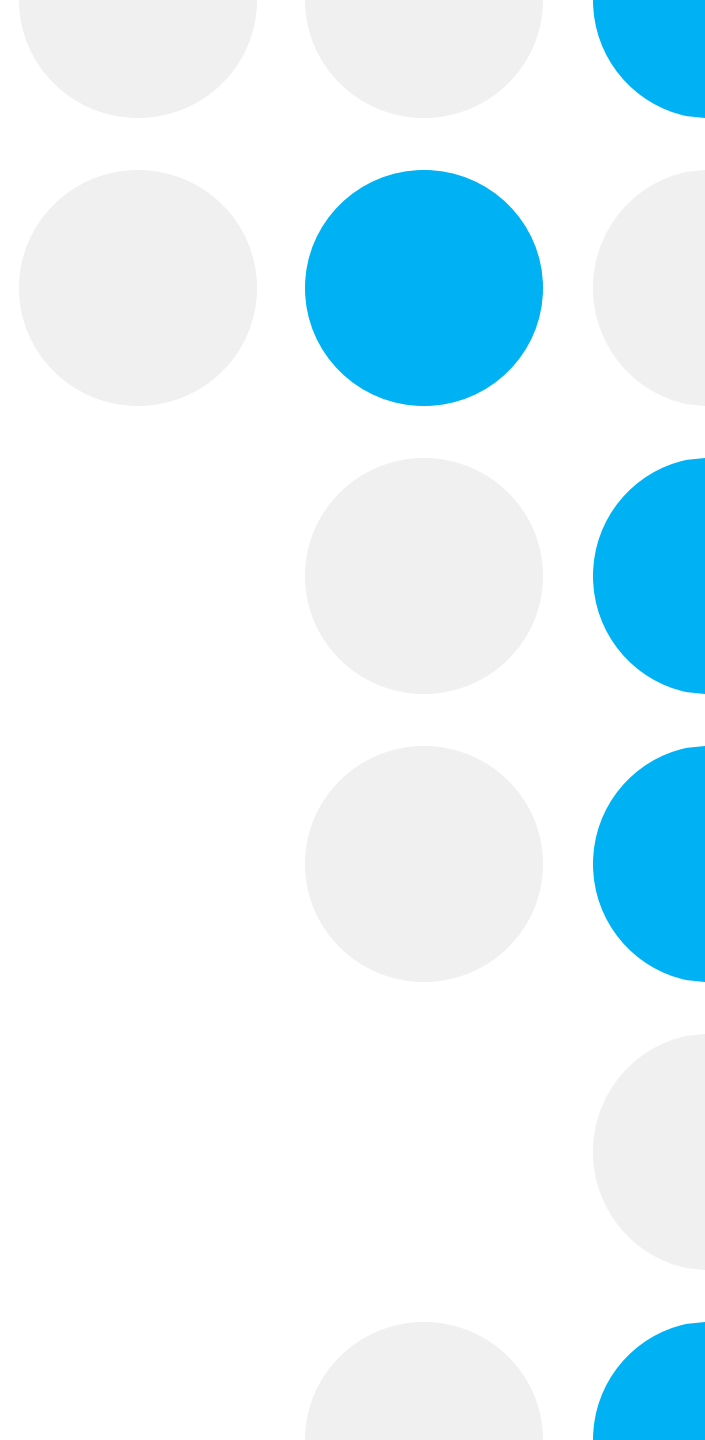
→ **Example:**

→ `int add(int a, int b) {`

→ `return a + b; // Adds two integers and returns the result`

→ `}`

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→ **Function Call :**

→ **Purpose:** Executes the function by using its name and passing the required arguments.

→ **Syntax:**

→ `function_name(arguments);`

→ **Example:**

→ `int main() {`

→ `int result = add(5, 3); // Calling the 'add' function`

→ `printf("The sum is: %d\n", result); // Output: The sum is: 8`

→ `return 0;`

→ `}`

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