Difference Between Argument and Parameter

We can provide specific inputs when creating functions in order to process the function's instructions. The phrases "arguments" and "parameters" are usually used interchangeably in this context to refer to these inputs. Let us check the difference between Argument and Parameter.

Argument vs Parameter	
Argument	**Parameter**
Arguments are also known as Actual Parameters.	Parameters are also called Formal Parameters
Each argument is always assigned to the parameter in the function definition during the call.	When the function is called, parameters are local variables that are assigned the values of the arguments.
When a function is invoked, the values passed during the call are referred to as arguments.	The values defined at the time of the function prototype or definition are referred to as parameters.
In a function call statement, these are used to send data from the calling function to the receiving function.	These are used in the called function's function header to receive the value from the arguments.

What is Argument?

Firstly we discuss the argument in C and then see the difference between Argument and Parameter in C. Arguments are variables in C that are used to pass values. In the C program, we use functions to reduce code complexity and improve readability. We write some user-defined functions so that we can reuse the code.

When we write a function, we can pass data to the calling function as an argument. The passing data can be an integer, a floating-point value, or something else. Data can also be passed to other functions in the form of arrays or strings.

What is Parameter?

Firstly we discuss the parameter in C and then see the difference between Argument and Parameter in C. The variables defined during a function declaration

or definition are referred to as parameters. These variables are used to hold the arguments passed to a function call.

These parameters in the function prototype are used during the execution of the defined function. These are also known as Formal Parameters or Formal Arguments. A parameter is defined by its name, data type, and calling mechanism (call by reference or call by value).

Key Differences Between Argument and Parameter

The key differences between argument and parameter are given below.

- The argument is known as actual parameter whereas parameter is known as formal parameter.
- When executing the function, arguments are used. During the function declaration, parameters are used.
- The real value of this variable is what is supplied to the function as an argument. However, in the function's declaration, a parameter is a variable.