JS functions

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## FUNCTION:

A JavaScript function is a block of code designed to perform a particular task.

A JavaScript function is executed when calls or invoked it.

A Javascript function is defined by function keyword and followed by name and followed by paranthesis()

The function name can contain letters and numbers and dollar sign.

In the paranthesis we can place parameters and separated by commas.

Syntax:

Function function\_name(parameter1,parameter2){

Console.log(‘hello world’) }

Function **parameters** are listed inside the parentheses () in the function definition.

Function **arguments** are the **values** received by the function when it is invoked.

## Why Functions?:

With functions you can reuse code

You can write code that can be used many times.

You can use the same code with different arguments, to produce different results

## Function Invocation:

The code inside the function will execute when "something" **invokes** (calls) the function:

* When an event occurs (when a user clicks a button)
* When it is invoked (called) from JavaScript code
* Automatically (self invoked)

## Function Return:

When JavaScript reaches a return statement, the function will stop executing.

If the function was invoked from a statement, JavaScript will "return" to execute the code after the invoking statement.

Functions often compute a **return value**. The return value is "returned" back to the "caller".