

Functions in JS

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<https://sakshat.ac.in>

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Learning Objectives

In this tutorial, we will learn about:



Learning Objectives

In this tutorial, we will learn about:

▶ `Functions`



Learning Objectives

In this tutorial, we will learn about:

- ▶ Functions
- ▶ **Different types of functions**



Learning Objectives

In this tutorial, we will learn about:

- ▶ Functions
- ▶ **Different types of functions**
- ▶ Function declarations **in JS**



System Specifications

This tutorial is recorded using:



System Specifications

This tutorial is recorded using:

▶ **Ubuntu Linux OS version 18.04**



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This tutorial is recorded using:

- ▶ **Ubuntu Linux OS version 18.04**
- ▶ **Visual Studio Code version 1.51.1**
(code editor)



System Specifications

This tutorial is recorded using:

- ▶ **Ubuntu Linux OS version 18.04**
- ▶ **Visual Studio Code version 1.51.1**
(code editor)
- ▶ **Firefox Web Browser**



Prerequisites



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- ▶ You should be familiar with writing and executing JS files



Prerequisites

- ▶ You should be familiar with writing and executing JS files
- ▶ If not, please go through the prerequisite tutorials on <https://spoken-tutorial.org>



Code Files

- ▶ The files used in this tutorial are available in the [Code files link](#) on this tutorial page



Code Files

- ▶ The files used in this tutorial are available in the `Code files` link on this tutorial page
- ▶ Please download and extract the files



Code Files

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- ▶ Make a copy and then use them for practicing



Functions

- ▶ **A function is a block of code which is defined once and can be called multiple times**



Functions

- ▶ **A function is a block of code which is defined once and can be called multiple times**
- ▶ **The main advantage of function is reusability**



Types of Functions



Types of Functions

► Basic Fuction



Types of Functions

- ▶ **Basic Fuction**
- ▶ **Parameterized Function**



Types of Functions

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- ▶ **Parameterized Function**
- ▶ **Function as a value**



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- ▶ **Function as Property**
- ▶ **Function Arguments**



Types of Functions

- ▶ **Basic Fuction**
- ▶ **Parameterized Function**
- ▶ **Function as a value**
- ▶ **Function as an Argument / Parameter**
- ▶ **Function as Property**
- ▶ **Function Arguments**
- ▶ **Constructor Function**



Callback Function

- ▶ Callback function **is defined as a function which is passed as a parameter to another function**



Summary

In this tutorial, we have learnt about:

- ▶ Functions
- ▶ **Different types of** functions
- ▶ Function declarations **in** JS



Assignment

- ▶ Open the file `assignment.js` which you have created earlier
- ▶ Clear the existing code
- ▶ Create an `Employee` function
- ▶ `Employee` function **accepts** `name` and `id` **as** parameters



Assignment

- ▶ **Create** Object **references to name and**
id parameter
- ▶ **Create two** objects **using the**
Employee function
- ▶ **Log the created** objects **in the** console



Assignment

- ▶ **Open the file `MyPage.html` in a web browser**
- ▶ **Observe the output in the browser's console**



About the Spoken Tutorial Project

- ▶ Watch the video available at https://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- ▶ It summarises the Spoken Tutorial project
- ▶ If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to contact@spoken-tutorial.org



Forum for Specific Questions

- ▶ Do you have questions in THIS Spoken Tutorial?
- ▶ Please visit <https://forums.spoken-tutorial.org>
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ The Spoken Tutorial project will ensure an answer
- ▶ You will have to register to ask questions



Acknowledgements

- ▶ **Spoken Tutorial project is funded by Ministry of Education (MoE), Govt. of India**



Thank you

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