'this' keyword is JS

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT
https://sakshat.ac.in

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14 April 2021

Learning Objectives

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- this keyword

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▶ `this keyword`

▶ **Different types of** `this keyword bindings` **in** JS

System Specifications

This tutorial is recorded using:

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► **Ubuntu Linux OS version 18.04**

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- ► **Ubuntu Linux OS version 18.04**
- ► **Visual Studio Code version 1.45.0 (code editor)**

System Specifications

This tutorial is recorded using:

- ▶ **Ubuntu Linux OS version 18.04**
- ▶ **Visual Studio Code version 1.45.0 (code editor)**
- ▶ **Firefox Web Browser**

Prerequisites

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

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▶ **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**

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▶ **Please download and extract the files**

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▶ **Make a copy and then use them for practicing**

this keyword

▶ this **is an** Object

this keyword

▶ `this` **is an** `Object`

▶ `this keyword` - **refers to the context**

this keyword

▶ this **is an** Object

▶ this keyword - **refers to the context**

▶ this keyword **can be a** global object,
function, class **or** variable

this keyword

this keyword **depends upon** binding

`this` keyword **depends upon** binding

▶ **Window Binding**

this keyword

`this` keyword **depends upon** `binding`

▶ **Window Binding**

▶ **Implicit Binding**

this keyword

this keyword **depends upon** binding

▶ **Window Binding**

▶ **Implicit Binding**

▶ **Explicit Binding**

`this` keyword **depends upon** `binding`

- ▶ **Window Binding**
- ▶ **Implicit Binding**
- ▶ **Explicit Binding**
- ▶ **New Binding**

Explicit Binding **has 3 methods:**

Explicit Binding **has 3 methods:**
  ▶ call

Explicit Binding **has 3 methods:**

▶ call

▶ apply

Explicit Binding **has 3 methods:**

▶ call

▶ apply

▶ bind

Summary

In this tutorial, we have learnt:

- ▶ `this keyword`
- ▶ **Different types of** `this keyword bindings` **in** JS

Assignment

- **Open the file** `assignment.js` **which you have created earlier**
- **Clear the existing code**
- **Create a** `student` **object**
- **The** `student` **object should have** `name`, `department` **and** `displayName` **as** `object keys`

Assignment

▶ **Assign valid** values **to** name **and** department keys

▶ **Assign an** anonymous function **to** displayName key

▶ **The** anonymous function **should** log **the** name value **in the** object **using** this context

▶ **Execute the** displayName function

Assignment

▶ **Open the file** `MyPage.html` **in a web browser**

▶ **Observe the output in the browser's console**

▶ **Guess which** `binding` **this assignment refers to**

About 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**

Answers for THIS Spoken Tutorial

- ▶ **Questions in THIS Spoken Tutorial?**
- ▶ **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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