

Containers in Bootstrap

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Learning Objectives

In this tutorial, we will learn about:



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► Containers



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- ▶ Breakpoints



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 - ▶ `.container`
 - ▶ `.container-fluid`



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 - ▶ `.container-{breakpoint}`



System Requirements



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► Ubuntu Linux OS v 18.04



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- ▶ Bootstrap 4.6.0
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- ▶ gedit **Text Editor**
- ▶ Firefox **Web Browser**



Prerequisite

- ▶ **To follow this tutorial, you should be familiar with HTML and CSS**



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- ▶ If not, please go through the HTML and CSS tutorials on <https://spoken-tutorial.org>



Containers



Containers

- ▶ Containers are used to create **basic responsive website layout**



Containers

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- ▶ **Responsive** webpages **automatically adjust as per screen size**



Containers

- ▶ Containers are used to create **basic responsive** website layout
- ▶ **Responsive** webpages automatically adjust as per screen size
- ▶ Containers are mainly used to **wrap** website elements



Code Files

- ▶ **The file used in this tutorial is available in the Code Files link on this tutorial page**



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- ▶ Please download and extract it



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- ▶ Please download and extract it
- ▶ Make a copy and then use it while practising



Breakpoint

- ▶ **A breakpoint shows the layout responsive changes for a particular device**



Breakpoint

- ▶ **A breakpoint shows the layout responsive changes for a particular device**

Breakpoint	Extra Small	Small	Medium	Large	Extra Large
Screen Size	<576px	≥576px	≥768px	≥992px	≥1200px
Device	Mobiles	Small Tablets	Tablets	Laptops	Desktops



.container Class

- ▶ **.container: It is a responsive fixed width container**



.container Class

- ▶ **.container: It is a responsive fixed width container**

Breakpoint	Extra Small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra Large ≥1200px
container	100%	540px	720px	960px	1140px



.container-fluid Class

- ▶ **.container-fluid: It is a full width container**



.container-fluid Class

- ▶ **.container-fluid: It is a full width container**
- ▶ **It spans across 100% width of the viewport**

Breakpoint	Extra Small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra Large ≥1200px
container-fluid	100%	100%	100%	100%	100%



.container-{breakpoint} Class

- ▶ `.container-{breakpoint}`: It is a **full width** container **until** a **given** breakpoint **is reached**



.container-{breakpoint} Class

- ▶ **.container-{breakpoint}**: It is a **full width** container until a given breakpoint is reached

Breakpoint	Extra Small <576px	Small ≥576px	Medium ≥768px	Large ≥992px	Extra Large ≥1200px
container-sm	100%	540px	720px	960px	1140px
container-md	100%	100%	720px	960px	1140px
container-lg	100%	100%	100%	960px	1140px
container-xl	100%	100%	100%	100%	1140px



Summary

In this tutorial, we have learnt:

- ▶ Containers
- ▶ Breakpoints
- ▶ **Types of** container classes
 - ▶ `.container`
 - ▶ `.container-fluid`
 - ▶ `.container-{breakpoint}`



Assignment

- ▶ **Open the Mypage.html file and change the container class to .container-lg**
- ▶ **Open the Mystyle.css file and set the 5px solid black border for .container-lg class**



Assignment

- ▶ **Save both the files**
- ▶ **Observe the output on the web browser**



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

Thanks for watching
<https://spoken-tutorial.org>

