

Margin and Padding Classes in Bootstrap

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

Neha Solanki

IIT Bombay

30 March 2021



Learning Objectives

In this tutorial, we will learn about:



Learning Objectives

In this tutorial, we will learn about:

- ▶ `Margin classes`



Learning Objectives

In this tutorial, we will learn about:

- ▶ Margin classes
- ▶ `Padding` classes



Learning Objectives

In this tutorial, we will learn about:

- ▶ Margin classes
- ▶ Padding classes



Learning Objectives

In this tutorial, we will learn about:

- ▶ Margin classes
- ▶ Padding classes

while designing a layout



System Requirements



System Requirements

► Ubuntu Linux OS v 18.04



System Requirements

- ▶ Ubuntu Linux OS v 18.04
- ▶ Bootstrap 4.6.0



System Requirements

- ▶ Ubuntu Linux OS v 18.04
- ▶ Bootstrap 4.6.0
- ▶ HTML5



System Requirements

- ▶ Ubuntu Linux OS v 18.04
- ▶ Bootstrap 4.6.0
- ▶ HTML5
- ▶ CSS3



System Requirements

- ▶ Ubuntu Linux OS v 18.04
- ▶ Bootstrap 4.6.0
- ▶ HTML5
- ▶ CSS3
- ▶ gedit **Text Editor**



System Requirements

- ▶ Ubuntu Linux OS v 18.04
- ▶ Bootstrap 4.6.0
- ▶ HTML5
- ▶ CSS3
- ▶ gedit **Text Editor**
- ▶ Firefox **Web Browser**



Prerequisite

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



Prerequisite

- ▶ To follow this tutorial, you should be familiar with HTML and CSS
- ▶ If not, please go through the HTML and CSS tutorials on <https://spoken-tutorial.org>



Layout

<h2>Bharat Mart</h2>		
<h3>Welcome to Online Grocery Shopping!!</h3> <p>Buy your essentials at the lowest price. Choose from fresh produce to packaged goods and get them delivered straight to your doorstep. Shop for Rs.1000 and more to get FREE delivery.</p>		<ul style="list-style-type: none">• Fruits & Vegetables• Foodgrain• Beverages• Personal care• Snacks & Branded Foods
CONTACT US contact@bharat-online.com 9000000001	PAYMENT AND SHIPPING Payment Methods Shipping Policy	ABOUT BHARAT About us FAQ
Copyright- 2021		



Margin and Padding

- ▶ **Margin adds whitespace outside the border**



Margin and Padding

- ▶ **Margin adds whitespace outside the border**
- ▶ **Padding adds whitespace inside the border**



Margin and Padding

- ▶ **Margin adds whitespace outside the border**
- ▶ **Padding adds whitespace inside the border**
- ▶ Bootstrap **has various margin and padding classes**



Margin and Padding Classes - Format

User has to follow the below format for naming the margin and padding classes



Margin and Padding Classes - Format

User has to follow the below format for naming the margin and padding classes

▶ `{property}{sides}-{size}`



Property

► {property}{sides}-{size}

Property	Set
m	Margin
p	Padding



Sides

- ▶ **Sides specifies on which side of the element the margin or padding will be added**



Sides

► {property}{sides}-{size}

Sides	Set
t	margin-top/padding-top
b	margin-bottom/padding-bottom
l	margin-left/padding-left
r	margin-right/padding-right
x	margin left & right/padding left & right
y	margin top & bottom/padding top & bottom
blank	margin/padding on all 4 sides



Size

- ▶ **Size specifies how much margin or padding will be added**



Size

► {property}{sides}-{size}

Size	Set
0	margin/padding = 0
1	margin/padding = 0.25rem
2	margin/padding = 0.5rem
3	margin/padding = 1rem
4	margin/padding = 1.5rem
5	margin/padding = 3rem
auto	margin/padding = auto



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 them



Code Files

- ▶ The files used in this tutorial are available in the [Code Files](#) link on this tutorial page
- ▶ Please download and extract them
- ▶ Make a copy and then use them while practising



Margin and Padding classes with Breakpoints

- ▶ **Users have to follow these formats for naming margin and padding classes with breakpoints**



Margin and Padding classes with Breakpoints

► `xs breakpoint:`
`{property}{sides}-{size}`



Margin and Padding classes with Breakpoints

- ▶ `xs` breakpoint:
`{property}{sides}-{size}`
- ▶ `sm`, `md`, `lg` & `xl` breakpoints:
`{property}{sides}-{breakpoint}-{size}`



Summary

In this tutorial, we have learnt about:

- ▶ Margin classes
- ▶ Padding classes

while designing a layout



Assignment

- ▶ **Open the Mypage.html file**
- ▶ **For the column of 1st row change the margin class to .m-sm-4**
- ▶ **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>

