

## Assignment – Module 12: CSS Box Model

### PART A: THEORY (WRITTEN) – 10 QUESTIONS

Q1.

What is the CSS Box Model?

Explain its four main components with a diagram.

Q2.

Explain content area in the CSS Box Model.

How do width and height affect the content area?

Q3.

What is padding?

Write different padding properties and their use.

Q4.

Explain border property.

Write different border styles with examples.

Q5.

What is margin?

Explain how margin is different from padding.

Q6.

What is box-sizing?

Explain the difference between content-box and border-box.

Q7.

Why is box-sizing: border-box preferred in real projects?

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Q8.

What is margin collapse?

When does margin collapse occur?

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Q9.

Explain margin shorthand with examples.

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Q10.

Write real-life use cases of CSS Box Model in web page layouts.

## PART B: PRACTICAL (CODE WRITING) – 10 PROGRAMS

Program 1: Content Area Demo

Task:

Create a <div> and set:

- width
- height
- background color

Display text inside the content area.

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Program 2: Padding Demonstration

Task:

Create a box and apply:

- Equal padding on all sides
  - Background color to show padding clearly
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## Program 3: Different Padding Values

Task:

Create a <div> with:

- Different padding for top, right, bottom, and left
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## Program 4: Border Styles

Task:

Create three boxes using:

- solid border
  - dashed border
  - dotted border
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## Program 5: Margin Demonstration

Task:

Create two boxes and apply:

- Margin to create space between them
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## Program 6: Centering Box Using Margin

Task:

Create a box and center it horizontally using:

- margin: auto
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## Program 7: Box Sizing – content-box

Task:

Create a box using:

- width
- padding
- border

- **box-sizing: content-box**

Show how actual size increases.

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## Program 8: Box Sizing – border-box

Task:

Create a box using:

- width
- padding
- border
- **box-sizing: border-box**

Show how actual size remains fixed.

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## Program 9: Margin Collapse

Task:

Create a heading and a paragraph and apply:

- Bottom margin to heading
- Top margin to paragraph

Observe margin collapse behavior.

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## Program 10: Real-Life Card Layout

Task:

Design a simple card layout using:

- padding for inner spacing
- border for outline
- margin for spacing between cards
- **box-sizing: border-box**