Assignment 1 - CSS

1. Text inside a box is touching the border, but the box position on the page is correct.

Answer: Use the padding property.

    Explanation: Padding creates space between the content and the border.

2. Two boxes are touching each other vertically on the page.

Answer: Use margin (for example, margin-top or margin-bottom).

    Explanation: Margin controls the space between two elements.

3. A box has a grey background, black outline, space between text and border, and space outside the box.

Answer:

Requirement	CSS Property
Grey background	background-color
Black outline	border
Space between text and border	padding
Space outside the box	margin

4. A box has width: 300px, padding: 20px, and border: 5px solid black. Calculate the total width of the box.

Answer: Total width = content width + padding (left + right) + border (left + right)

$$= 300 + (20 \times 2) + (5 \times 2)$$
$$= 300 + 40 + 10$$
$$= 350px$$

5. An image inside a card is touching the card's border.

Answer: Add padding to the card.

    Explanation: Padding creates space between the image and the border.

6. A student sets the width of a box to 300px, but it appears larger on screen.

Answer: This happens because padding and border are added to the width by default.

    Fix: Use box-sizing: border-box.

    Explanation: This ensures the total width remains 300px even after adding padding and border.

7. Two stacked boxes each have vertical margins, but the space between them is smaller than expected.

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Answer: This is caused by margin collapsing.

Explanation: Vertical margins collapse into a single margin instead of adding together.

8. A developer wants space inside the box but uses margin.

Answer: This is incorrect.

Correct Property: Use padding.

Explanation: Margin controls outer spacing, while padding controls inner spacing.

9. You are designing a product card with an image and text.

Answer:

Requirement	CSS Property
Inner spacing	padding
Outer spacing	margin
Border	border

10. A button's text looks cramped and buttons are too close together.

Answer:

- Increase padding to improve space inside the button
- Increase margin to create space between buttons

11. Padding is added to a box and the background color expands.

Answer: Background color applies to both the content and the padding area.

Explanation: Background does not extend into the margin area.

12. A layout must keep the box width fixed even after adding padding and border.

Answer: Use box-sizing: border-box.

Explanation: Padding and border are included within the specified width.

13. A student says margin increases the size of the box.

Answer: False.

Explanation: Margin does not increase the size of the box; it only adds space outside the box.

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14. A card layout looks uneven because images touch borders.

Answer: Adjust padding.

   Explanation: Padding prevents images from touching borders and improves visual alignment.

15. Explain the CSS box model from inside to outside.

Answer:

- Content – The actual text or image
- Padding – Space around the content
- Border – Outline around the padding
- Margin – Space outside the border