

I222517

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1. BOX MODEL PROPERTIES

width - Sets the width of an element

height - Sets the height of an element

min-height - Sets minimum height of an element

margin - Sets space outside an element

margin-top - Sets top margin

margin-bottom - Sets bottom margin

margin-right - Sets right margin

padding - Sets space inside an element

box-sizing - Controls how width and height are calculated

2. BACKGROUND AND COLOR PROPERTIES

background-color - Sets the background color of an element

color - Sets the text color

3. BORDER PROPERTIES

border - Sets border width, style, and color

border-radius - Rounds the corners of an element

border-right - Sets the right border only

border-color - Sets the border color

box-shadow - Adds shadow effect to an element

4. TYPOGRAPHY PROPERTIES

font-family - Sets the font type
font-size - Sets the size of text
text-align - Aligns text horizontally (left, center, right)
text-decoration - Adds or removes text decoration (underline, none)

5. POSITIONING PROPERTIES

position - Sets how an element is positioned
static - Default, normal document flow
relative - Positioned relative to its normal position
absolute - Positioned relative to nearest positioned parent
fixed - Positioned relative to the viewport, stays on scroll
sticky - Switches between relative and fixed on scroll
top - Distance from top edge
right - Distance from right edge
bottom - Distance from bottom edge

6. FLEXBOX PROPERTIES

display: flex - Enables flexbox layout
justify-content - Aligns items horizontally
flex-start - Items at start
flex-end - Items at end
center - Items at center
flex-wrap - Controls if items wrap to next line
gap - Sets space between flex items

7. GRID PROPERTIES

display: grid - Enables grid layout
grid-template-columns - Defines column sizes
grid-template-rows - Defines row sizes
grid-column - Sets how many columns an item spans

9. DISPLAY PROPERTY

display - Controls how element is displayed
block - Takes full width
inline - Takes only needed width
inline-block - Inline but can set width/height
flex - Flexbox layout
grid - Grid layout
none - Hides element

Q1

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Task 1: Profile Card



Q2

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Task 2: Dashboard using CSS Grid

A dashboard layout using CSS Grid. It consists of three horizontal sections: a green header at the top, a main content area below it, and a dark footer at the bottom. The main content area is divided into two columns: a light gray sidebar on the left and a larger main content area on the right. The header is labeled "Header" and the footer is labeled "Footer".

Q3

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Task 3: Flexbox Layout

A flexbox layout featuring a dark navigation bar at the top with four items: "Home", "About", "Services", and "Contact". Below the navigation bar are three white cards with rounded corners, each containing a title and a short description. The cards are arranged horizontally. The first card is titled "Card 1" and says "This is the first card.". The second card is titled "Card 2" and says "This is the second card.". The third card is titled "Card 3" and says "This is the third card.".

Q4

Task 4: CSS Positioning



Scroll down to see the sticky navbar and fixed button...

Lorem ipsum dolor sit amet, consectetur adipiscing elit.

Q5

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Task 5: Two-Column Layout using Floats

This is the first item with some description text.

This is the second item with some description text.

This is the third item with some description text.

Resources

Visit our university website for more information.

[University Website](#)

Q6

The screenshot shows a website with the following structure:

- Header:** A green header bar with the text "My Website" in white.
- Navigation Bar:** A dark grey horizontal bar below the header containing links for "Home", "About", "Services", and "Contact".
- Main Content:** A light grey area titled "Welcome to My Website".
- Feature Boxes:** Three rectangular boxes arranged horizontally:
 - Feature 1:** Labeled "Feature 1" and "Description of feature 1."
 - Feature 2:** Labeled "Feature 2" and "Description of feature 2." It includes a small red "NEW" badge at the top right.
 - Feature 3:** Labeled "Feature 3" and "Description of feature 3."