Task 12: Flexbox

" Describe the Flexbox layout model and how it simplifies responsive design. Create a responsive layout using Flexbox that adjusts to different screen sizes. Include examples of properties like justify-content, align-items, and flex-direction, and explain their effects on the layout."

➔ The Flexbox (Flexible Box) layout model in CSS makes it easier to design flexible and responsive layouts. Flexbox arranges elements in rows or columns, automatically adjusting the layout based on available space, making it ideal for creating responsive designs.

➔ Key Flexbox properties:
   o justify-content: Aligns items horizontally along the main axis.
   o align-items: Aligns items vertically along the cross-axis.
   o flex-direction: Defines the direction of the flex container's items (row, column, etc.).

➔ Explanation:
   o flex-direction: row: Items are arranged in a row (horizontally).
   o justify-content: space-around: Spaces out items evenly.
   o align-items: center: Centers items vertically within the container.
   o Responsive Design: The @media query changes the layout to a column for smaller screens (mobile responsiveness).