

Q2. Explain the role of the following key properties in the Flexbox layout mode

1. Justify – content :- The CSS justify-content property defines how the browser distributes space between and around content items along the main axis of a flex container and the inline axis of grid and multicolumn containers.
2. Align – items :- The align-items property in CSS is used to align flex items along the cross-axis within a flex container. It accepts values like flex-start, flex-end, center, baseline, and stretch, controlling the vertical alignment of items in a flexbox.
3. gap :- The gap property defines the size of the gap between the rows and between the columns in flexbox, grid or multi-column layout.
 - row – gap
 - column – gap
4. flex – direction :- controls the direction in which the children of a node are laid out. This is also referred to as the main axis. The cross axis is the axis perpendicular to the main axis, or the axis which the wrapping lines are laid out in.
 - column align children from top to bottom.
 - row align children from left to right.
 - Column – reverse align children from bottom to top.
 - Row – reverse align children from right to left.
5. flex – wrap :- The flex-wrap property is a sub-property of the Flexible Box Layout Module. It defines whether the flex items are forced in a single line or can be flowed into multiple lines. If set to multiple lines, it also defines the cross-axis which determines the direction new lines are stacked in, aiding responsiveness layout behavior without CSS media queries.