

Q1. Describe the main difference between the CSS Flexbox layout model and the CSS Grid layout model. When would you choose to use one over the other ?

Answer –

CSS Flexbox layout model	CSS Grid layout model
Flexbox is one-dimensional	Grid is two dimensional
Flexbox deals with either rows or columns	Grid manages rows and columns simultaneously.
Flexbox uses margins and relative positioning.	Grid uses numerical coordinates.
Flexbox is ideal for arranging items in a row or column, and excels in smaller, reusable components.	Grid is suited for larger, complex layouts that require precise positioning control.
It doesn't split content into equal columns or stack columns in the same alignment.	It expands or shrinks content to fit the available screen space.

The choice between Flexbox and Grid comes down to personal preference and what a developer feels is easier for a given task. Some say the best way to learn is to build projects with both to develop an opinion about which to use in different situations.