Interview Questions

Q1. What are the properties of flexbox?

Ans 1. The properties of flexbox are as follows:

- **flex-direction:** This property helps in defining the direction the container should stack the items targetted for flex. The values of this property can be
    - row: Stacks items horizontally from left to right in the flex container.
    - column: Stacks items vertically from top to bottom in the flex container.
    - row-reverse: Stacks items horizontally from right to left in the flex container.
    - column-reverse: Stacks items vertically from bottom to top in the flex container.

- **flex-wrap:** This property specifies of the flex items should be wrapped or not. Possible values are:
    - wrap: The flex items would be wrapped if needed.
    - nowrap: This is the default value that says the items won't be wrapped.
    - wrap-reverse: This specifies that the items will be wrapped if needed but in reverse order.

- **flex-flow:** This property is used for setting both flex-direction and flex-wrap properties in one statement.

- **justify-content:** Used for aligning the flex items. Possible values are:
    - center: It means that all the flex items are present at the center of the container.
    - flex-start: This value states that the items are aligned at the start of the container. This is the default value.
    - flex-end: This value ensures the items are aligned at the end of the container.
    - space-around: This value displays the items having space between, before, around the items.
    - space-between: This value displays items with spaces between the lines.

- **align-items:** This is used for aligning flex items.
- **align-content:** This is used for aligning the flex lines

Q2 . How to create container using flex? give example.

Ans 2 . To define and access a container as a flex container you can use display: flex;. If no additional rules are set, all direct children will be considered flex items and will be laid horizontally, from left to right. The width of flex items automatically adjusts to fit inside the container.

```
HTML :      <div class = container>
                <div > Box - 1 </div>
                <div > Box - 2 </div>
                <div > Box - 3 </div>
            </div>

CSS :       .container {
                display:flex;
              }
```

Q3. Difference between CSS grid vs flexbox?

- CSS Grid Layout is a two-dimensional system, meaning it can handle both columns and rows. The grid layout is intended for larger-scale layouts which aren't linear in design.
- Flexbox is largely a one-dimensional system (either in a column or a row). Flexbox layout is most appropriate to the components of an application

Q4. Justify-content allows you to do what?

Ans 4 . Defines how to position elements horizontally

Q5. Align items allow you to do what?

Ans 5. Define how to position elements vertically