

Task 1 Questions...

Q1.What is the difference between a normal div and a grid container?

-> Normal div: items go one below another

Grid div: items can go in rows and columns

Q2.Why does the layout look the same even after applying Grid??

-> Because no rows or columns are set

Q3.Are grid items created automatically??

-> no, Only child elements become grid items

Q4.Can Grid work without rows or columns?

-> Yes, but no visible change

Q5.What do you think Grid needs to show visible changes?

-> Grid needs rows or columns to show change.

TASK 2: Grid Container – Columns

Task 2 Questions...

Q1. What does fr stand for?
→ **fr** stands for fraction of available space.

Q2. How many columns are created?
→ 3 columns are created because
grid-template-columns: 1fr 1fr 1fr is used.

Q3. What happens when screen size is reduced?
→ The columns shrink automatically to fit the screen.

Q4. Do items overflow or adjust?
→ Items adjust, they do not overflow.

Q5. Why is fr better than px for layouts?
→ fr adjusts to different screen sizes, px does not.



Fixed Layout (px)

Fixed Box 1	Fixed Box 2	Fixed Box 3
-------------	-------------	-------------

Flexible Layout (fr)

Q1. Which layout breaks faster on small screens? → Fixed (px) layout breaks faster.	Q2. Which layout adjusts automatically? → Flexible (fr) layout adjusts automatically.	Q3. Why is fixed layout risky? → It does not adapt to screen size and may overflow.
Q4. Where can fixed columns be useful? → In tables, sidebars, and admin panels.	Q5. Which unit would you choose for a responsive website? → fr unit.	



TASK 4: Grid Rows

Task 4 Questions...

Q1. What does auto do in grid rows?

→ auto adjusts height based on content.

Q2. Which row grows based on content?

→ The row with auto value grows.

Q3. Can rows have different heights?

→ Yes, each row can have different height.

Q4. What happens if content is very large?

→ auto row increases height to fit content.

Q5. Where are grid rows useful in real layouts?

→ In headers, content sections, and footers.



TASK 5: Grid Gaps

Q1. Where does gap add space?
→ Gap adds space between grid items.

Q2. How is gap different from margin?
→ Gap adds space between items, margin adds space outside items.

Q3. Does gap affect container size?
→ No, it only affects spacing between items.

Q4. Can we use gap only for rows or columns?
→ Yes, using row-gap or column-gap.

Q5. Why is gap preferred in Grid layouts?
→ It keeps spacing clean and controlled.



TASK 6: Grid Item – Column Span

Q1. What are grid lines?
→ Grid lines are the vertical and horizontal lines that divide the grid.

Q2. How many columns does the item span?
→ The item spans 2 columns.

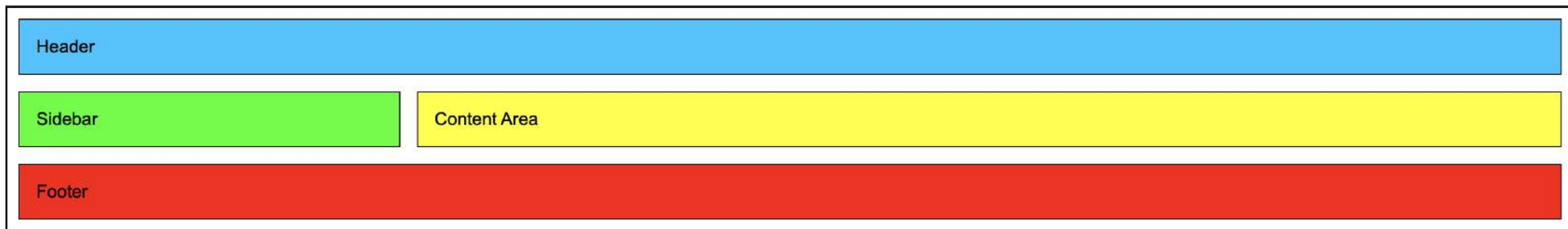
Q3. What happens to other items?
→ Other items move to the next available space.

Q4. Can two items overlap?
→ No, unless forced using positioning.

Q5. Where is column spanning used in websites?
→ In headers, banners, and featured sections.



TASK 7: Grid Template Areas



Questions & Answers

- Q1. Why are template areas easy to understand?
→ Because they use names like header, sidebar, content instead of numbers.
- Q2. Which section spans full width?
→ Header and Footer span full width.
- Q3. Can we rearrange layout by changing area names?
→ Yes, we can change layout without changing HTML.
- Q4. Is this better than column numbers?
→ Yes, it is easier to read and manage.
- Q5. Where are template areas mostly used?
→ In website layouts, dashboards, and page structures.



TASK 8: Auto-fit, Minmax & Responsive Grid

Box 1

Box 2

Box 3

Box 4

Box 5

Box 6

Q1. What problem does auto-fit solve?

→ It automatically adjusts the number of columns based on screen size.

Q2. Why is minmax important?

→ It sets minimum and maximum width for grid items.

Q3. Do items shrink too much?

→ No, minmax prevents items from becoming too small.

Q4. Is this layout mobile friendly?

→ Yes, it adapts automatically to small screens.

Q5. Why are media queries not needed here?

→ Grid layout adjusts automatically using auto-fit and minmax.



TASK 9: 12-Column Grid System

Span 6 Columns

Span 3 Columns

Span 3 Columns

Q1. Why is 12-column grid popular?

→ Because it is easy to divide into halves, thirds, and quarters.

Q2. How does spanning help layout?

→ It allows elements to take more or less space as needed.

Q3. Where is this system used?

→ Used in websites, dashboards, and frameworks like Bootstrap.

Q4. Can we create layouts without this system?

→ Yes, but layout may be less consistent.

Q5. What happens if column count changes?

→ Layout structure changes and spans must be adjusted.



TASK 10: CSS @supports

TASK 10 Questions...

Q1. Why do we check browser support?

→ To make sure the browser supports CSS Grid before using it.

Q2. What happens if Grid is not supported?

→ The grid styles are ignored and normal layout is used.

Q3. Is this needed for all projects?

→ No, only needed when supporting old browsers.

Q4. Who uses this in real projects?

→ Developers who build websites for many browser versions.

Q5. What does safe CSS mean?

→ CSS that works without breaking layout in unsupported browsers.

