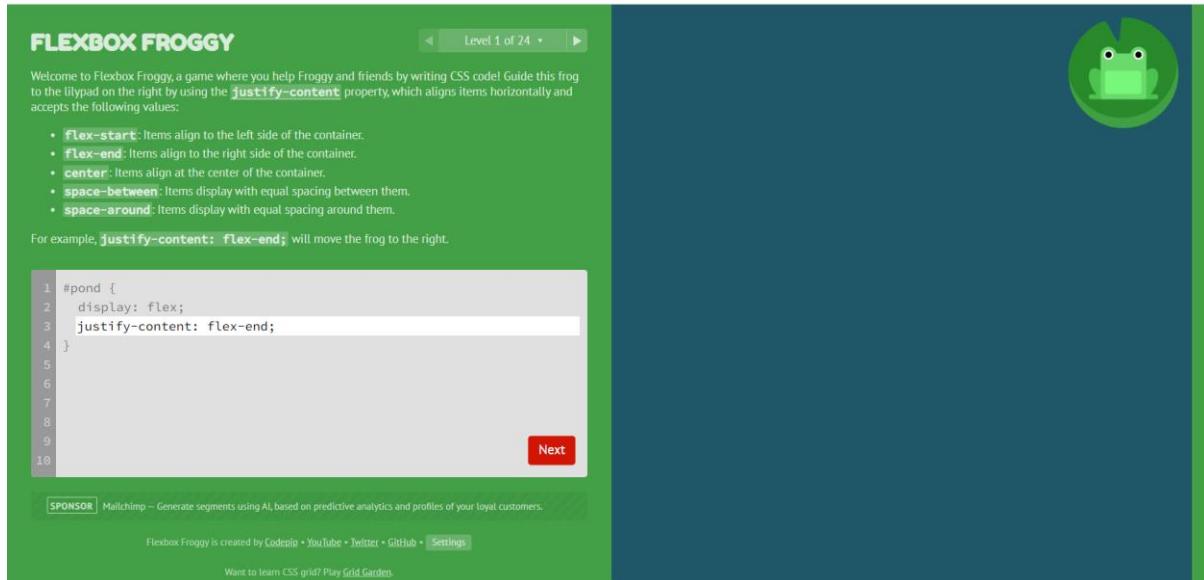


Lab 5

Flexbox Froggy and Grid Garden

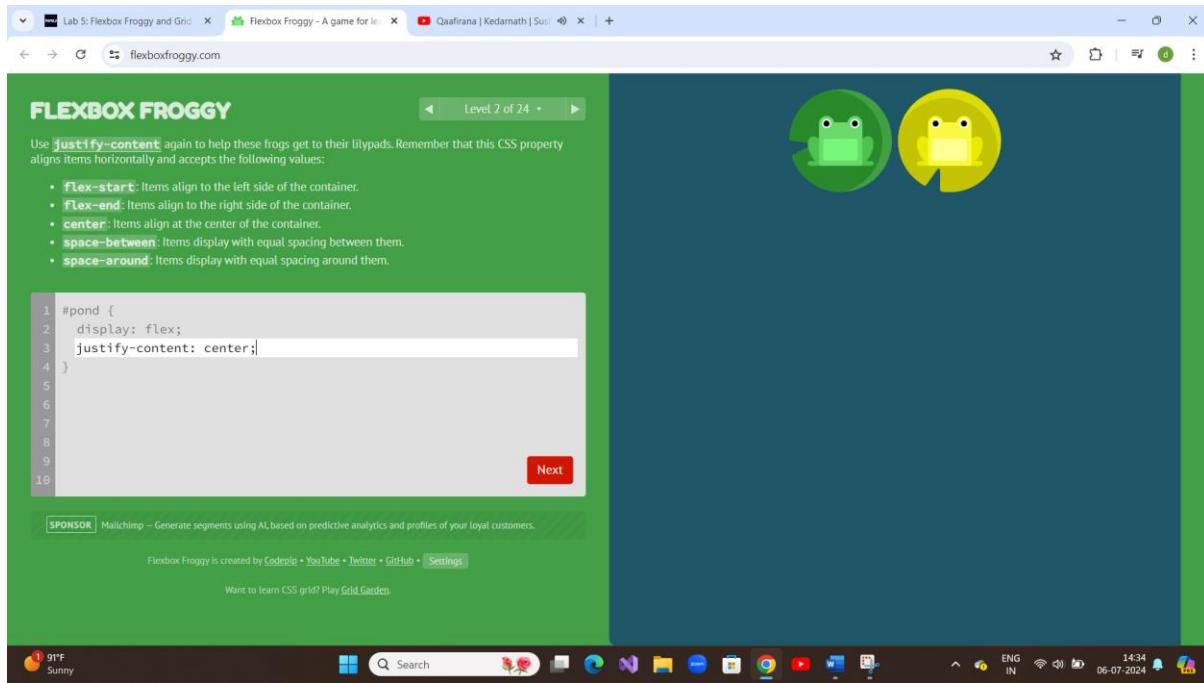
Level 1:



The screenshot shows a computer desktop with a game window titled "FLEXBOX FROGGY". The window is labeled "Level 1 of 24". Inside the window, there is a green pond where a single frog is sitting on a lily pad. A text box contains CSS code for a container with justify-content set to flex-end. Below the code is a "Next" button. The background of the desktop is dark blue, and there are two circular icons on the right side: one with a green frog and another with a yellow frog.

```
1 #pond {  
2   display: flex;  
3   justify-content: flex-end;  
4 }
```

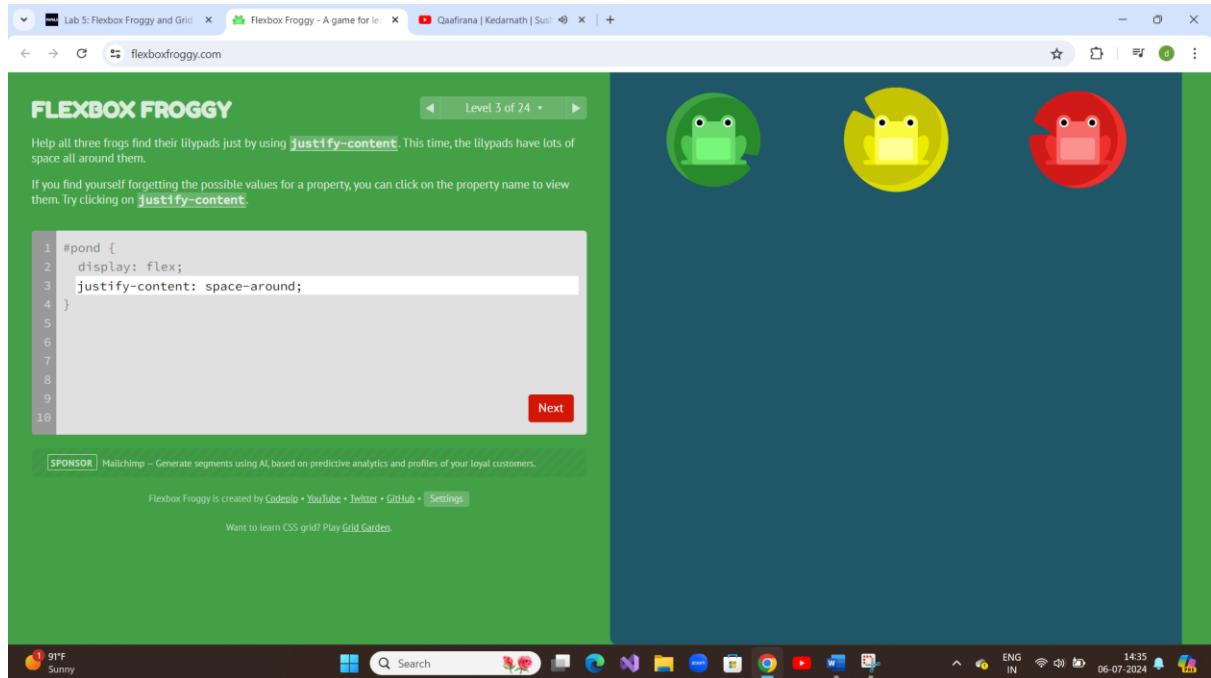
Level 2:



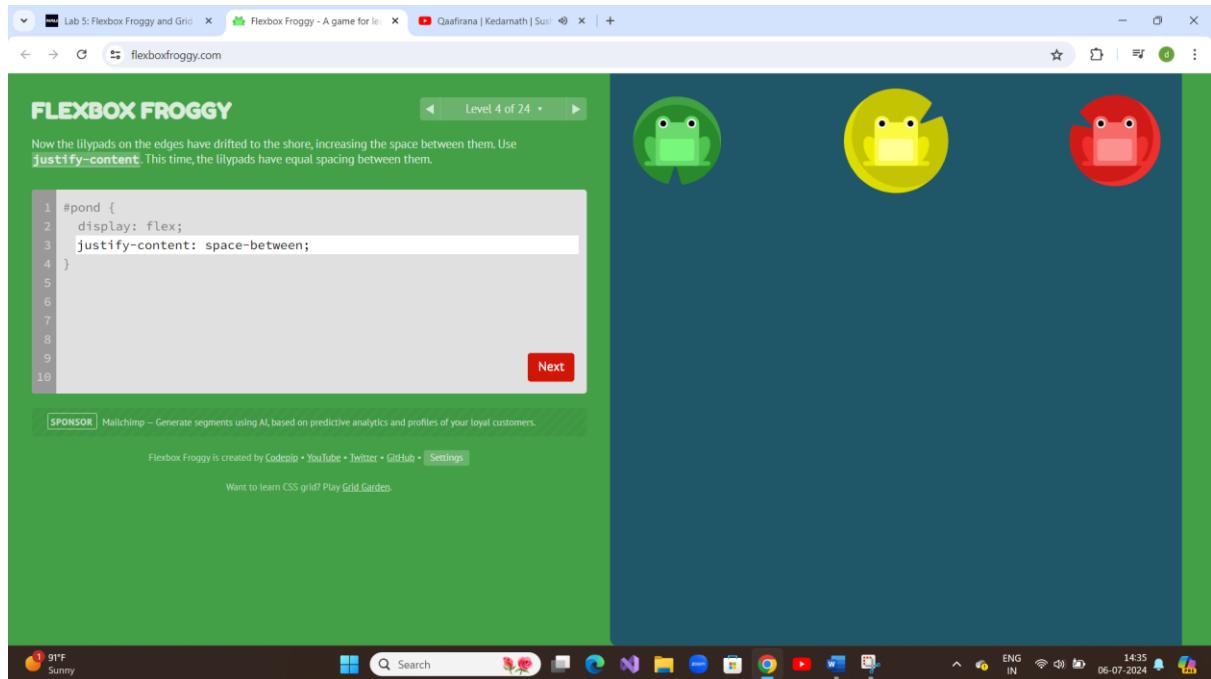
The screenshot shows a computer desktop with a game window titled "FLEXBOX FROGGY". The window is labeled "Level 2 of 24". Inside the window, there are two frogs on lily pads: one green frog on a green lily pad and one yellow frog on a yellow lily pad. A text box contains CSS code for a container with justify-content set to center. Below the code is a "Next" button. The background of the desktop is dark blue, and there are two circular icons on the right side: one with a green frog and another with a yellow frog.

```
1 #pond {  
2   display: flex;  
3   justify-content: center;  
4 }
```

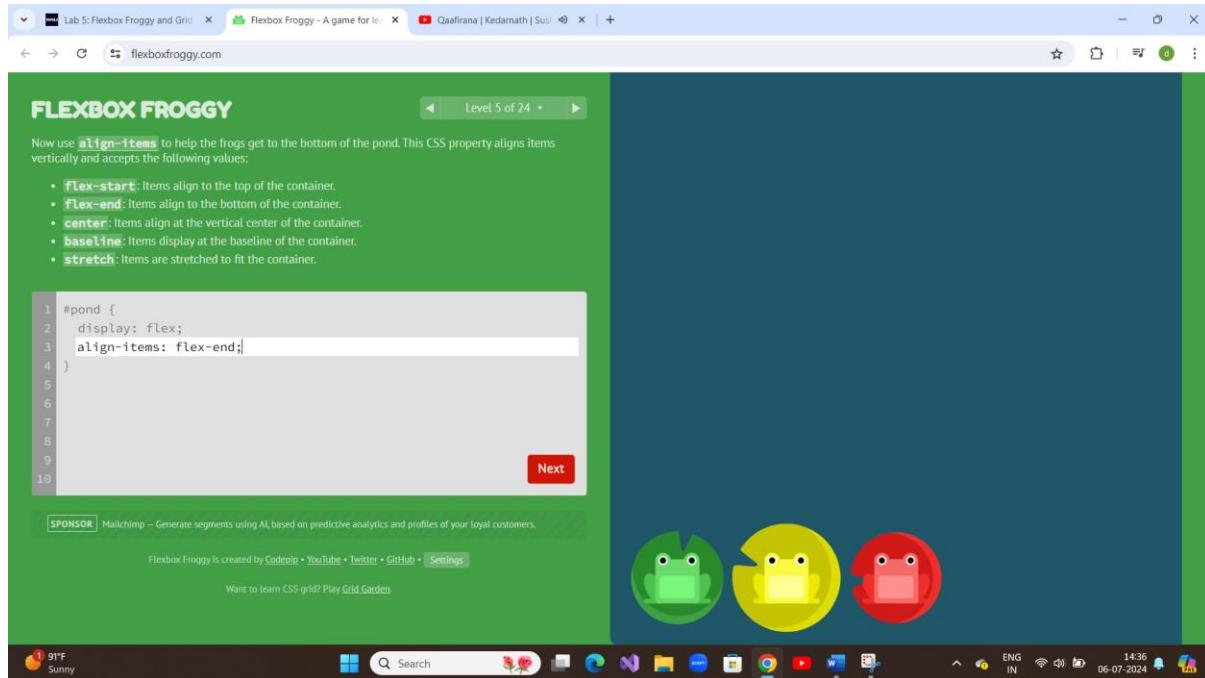
Level 3:



Level 4:



Level 5:



The screenshot shows a browser window with the title "Flexbox Froggy - A game for learning CSS". The main content area is titled "FLEXBOX FROGGY" and displays the instruction: "Now use `align-items` to help the frogs get to the bottom of the pond. This CSS property aligns items vertically and accepts the following values:". Below this, a list of values is provided: `flex-start`, `flex-end`, `center`, `baseline`, and `stretch`. To the right of the text is a large blue pond containing three frogs in green, yellow, and red circles. At the bottom of the screen, a Windows taskbar shows various icons and the date/time: 06-07-2024, 14:36, ENG IN.

```
1 #pond {  
2   display: flex;  
3   align-items: flex-end;  
4 }  
5  
6  
7  
8  
9  
10
```

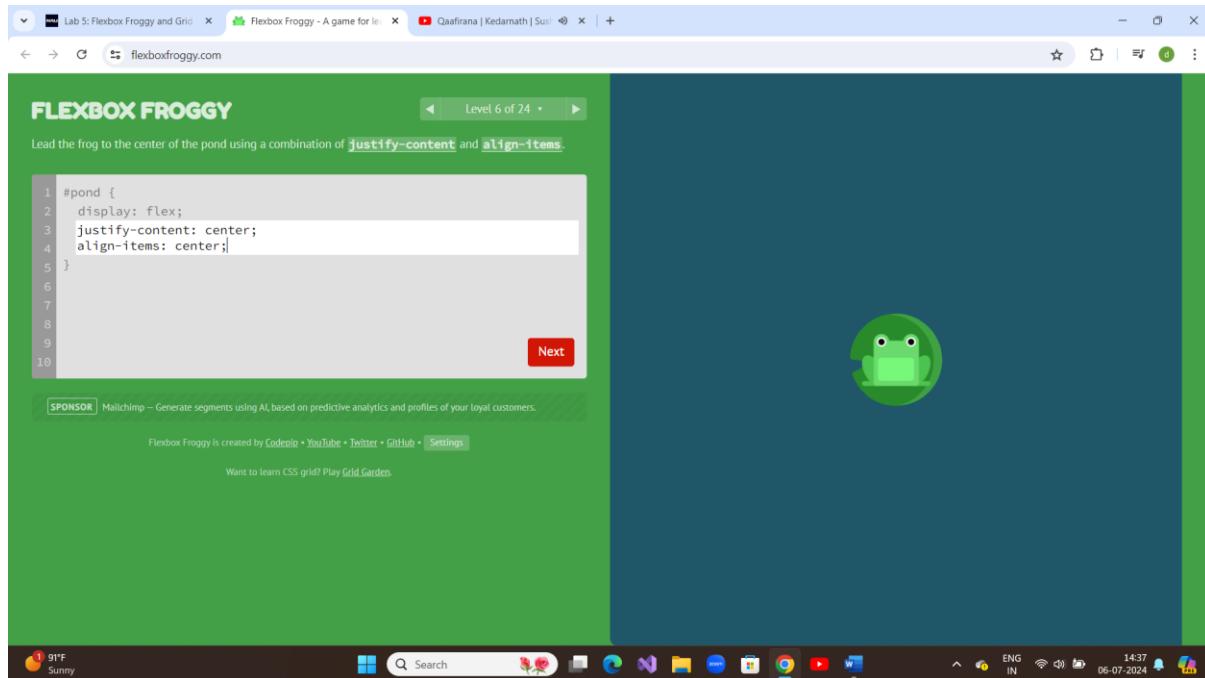
Next

SPONSOR Mailchimp – Generate segments using AI, based on predictive analytics and profiles of your loyal customers.

Flexbox Froggy is created by [CodePen](#) • [YouTube](#) • [Twitter](#) • [GitHub](#) • [Settings](#)

Want to learn CSS grid? Play [Grid Garden](#).

Level 6:



The screenshot shows a browser window with the title "Flexbox Froggy - A game for learning CSS". The main content area is titled "FLEXBOX FROGGY" and displays the instruction: "Lead the frog to the center of the pond using a combination of `justify-content` and `align-items`". Below this, a snippet of CSS code is shown: `#pond { display: flex; justify-content: center; align-items: center; }`. To the right of the text is a large blue pond containing a single green frog in a central circle. At the bottom of the screen, a Windows taskbar shows various icons and the date/time: 06-07-2024, 14:37, ENG IN.

```
1 #pond {  
2   display: flex;  
3   justify-content: center;  
4   align-items: center;  
5 }  
6  
7  
8  
9  
10
```

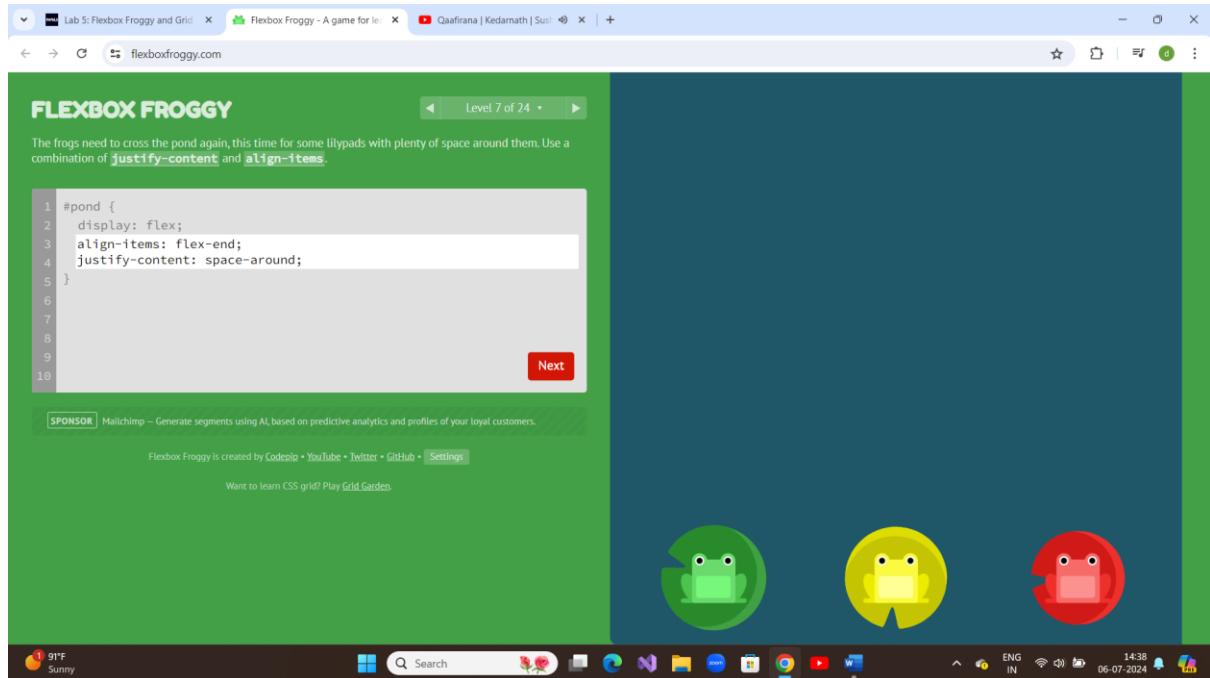
Next

SPONSOR Mailchimp – Generate segments using AI, based on predictive analytics and profiles of your loyal customers.

Flexbox Froggy is created by [CodePen](#) • [YouTube](#) • [Twitter](#) • [GitHub](#) • [Settings](#)

Want to learn CSS grid? Play [Grid Garden](#).

Level 7:

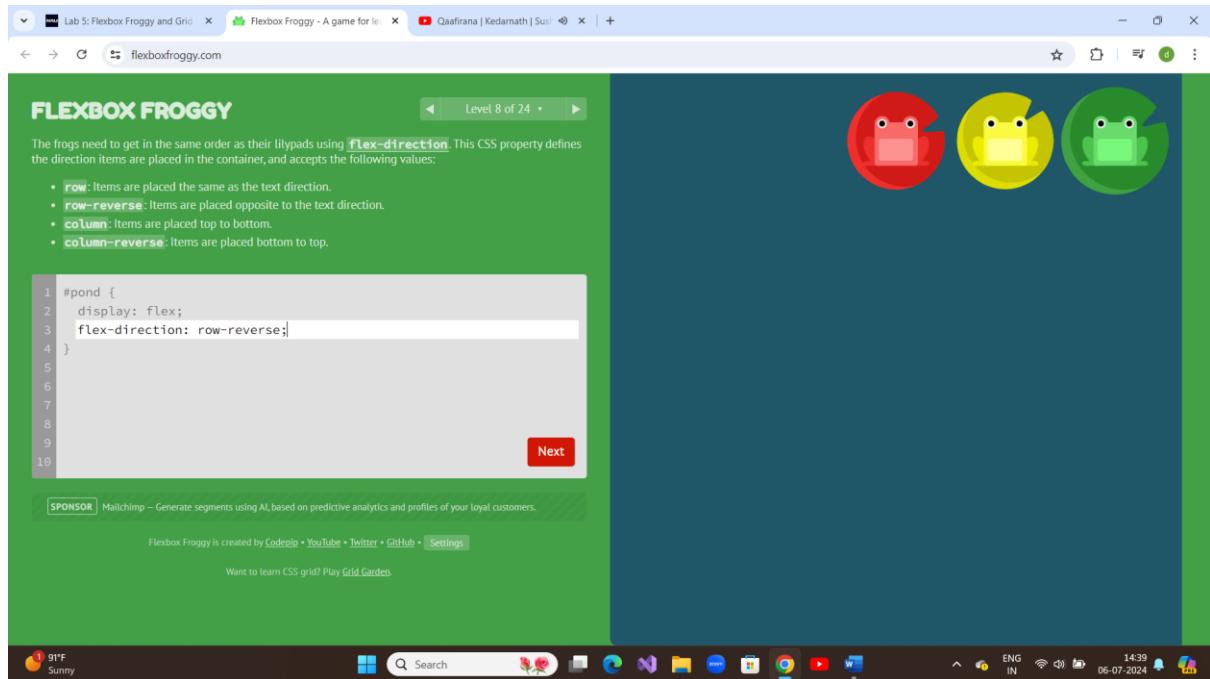


The screenshot shows a browser window displaying the Flexbox Froggy game. The title bar says "Lab 5: Flexbox Froggy and Grid" and "flexboxfroggy.com". The main content area is titled "FLEXBOX FROGGY" and shows "Level 7 of 24". A text box contains the following CSS code:

```
1 #pond {  
2   display: flex;  
3   align-items: flex-end;  
4   justify-content: space-around;  
5 }  
6  
7  
8  
9  
10
```

A red "Next" button is visible at the bottom right of the code box. Below the code box, there is a "SPONSOR" section for Mailchimp. At the bottom of the page, there is a footer with links to Codecademy, YouTube, Twitter, and GitHub, along with a "Settings" link. On the right side of the screen, there are three circular icons containing frogs: a green frog, a yellow frog, and a red frog. The task is to move these frogs to the right side of the pond.

Level 8:

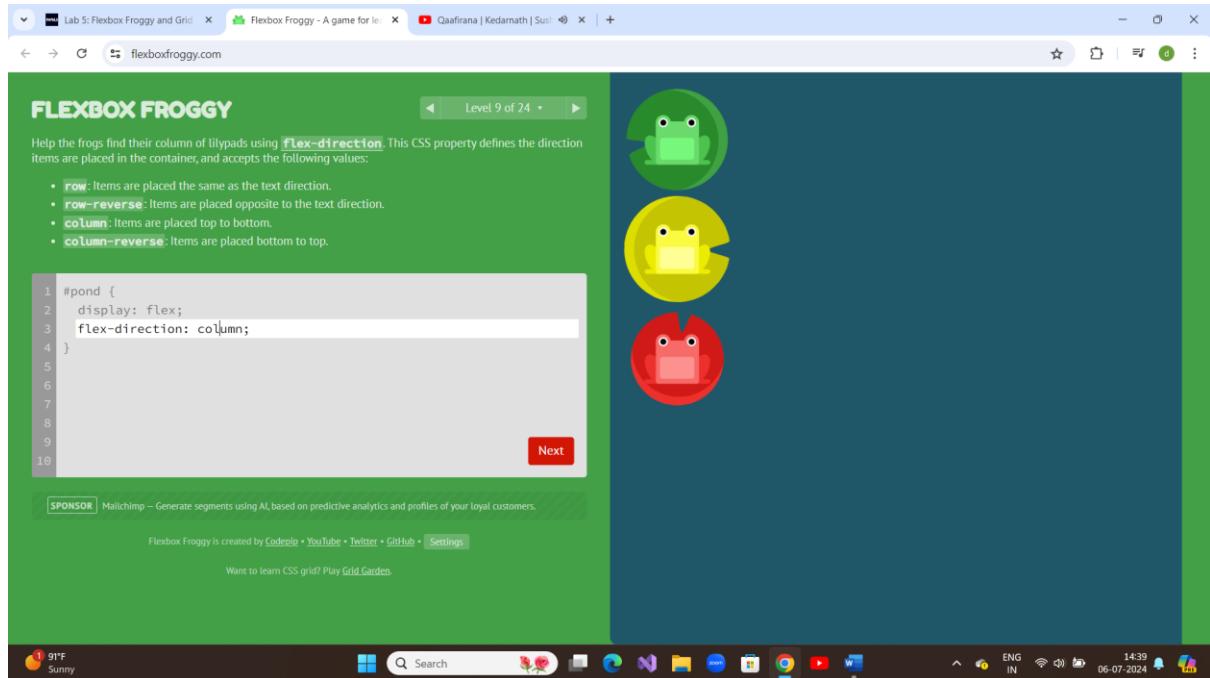


The screenshot shows a browser window displaying the Flexbox Froggy game. The title bar says "Lab 5: Flexbox Froggy and Grid" and "flexboxfroggy.com". The main content area is titled "FLEXBOX FROGGY" and shows "Level 8 of 24". A text box contains the following CSS code:

```
1 #pond {  
2   display: flex;  
3   flex-direction: row-reverse;  
4 }  
5  
6  
7  
8  
9  
10
```

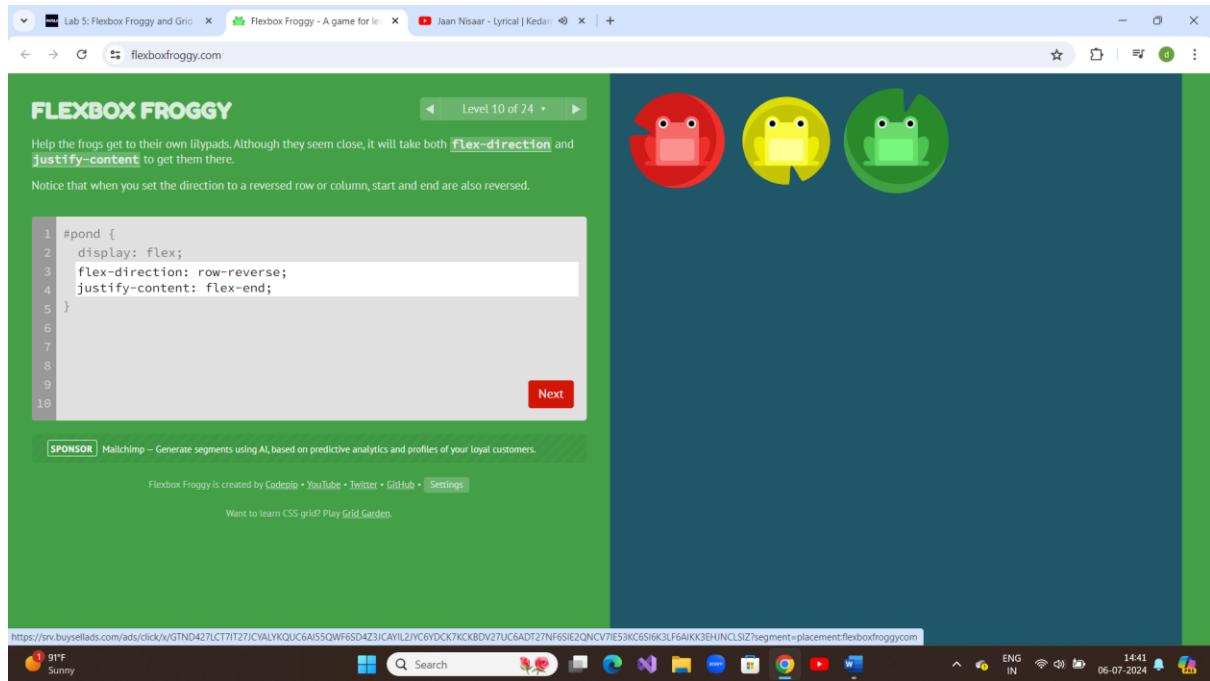
A red "Next" button is visible at the bottom right of the code box. Below the code box, there is a "SPONSOR" section for Mailchimp. At the bottom of the page, there is a footer with links to Codecademy, YouTube, Twitter, and GitHub, along with a "Settings" link. On the right side of the screen, there are three circular icons containing frogs: a red frog, a yellow frog, and a green frog. The task is to move these frogs to the left side of the pond.

Level 9:



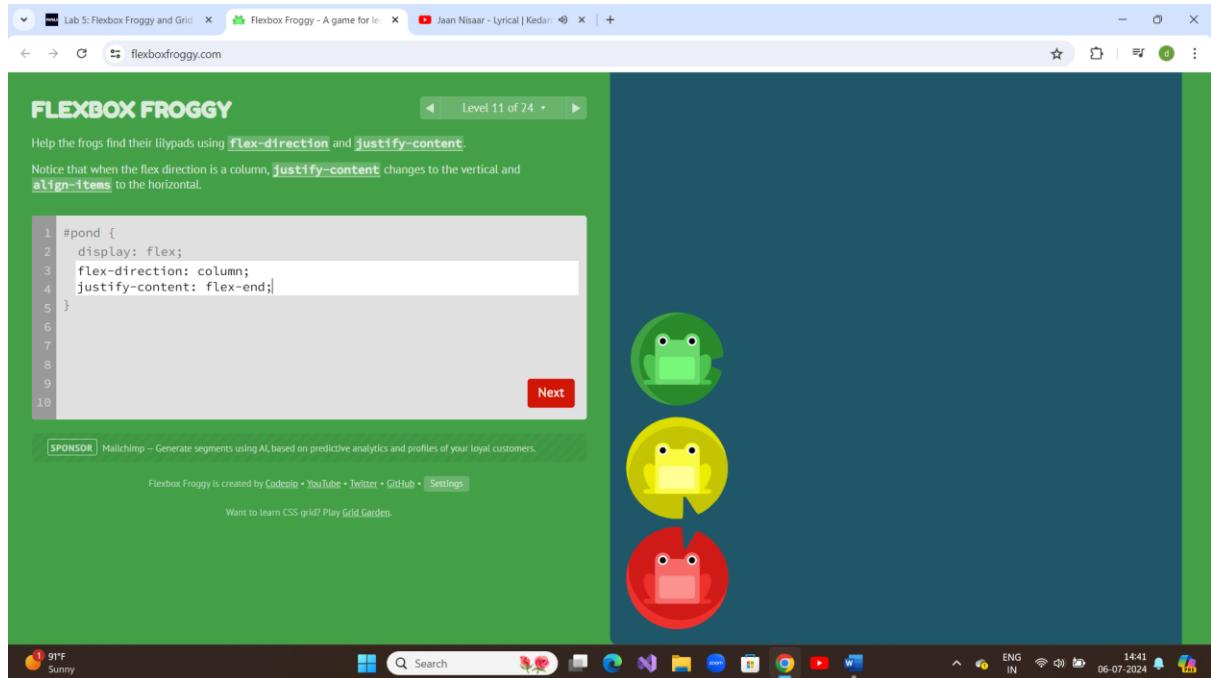
A screenshot of a web browser showing the 'Flexbox Froggy' game. The title bar says 'Lab 5: Flexbox Froggy and Grid'. The main content area has a green header with the text 'FLEXBOX FROGGY' and a progress bar 'Level 9 of 24'. Below the header, there is a text box containing CSS code for a 'pond' element, specifically setting 'flex-direction: column;'. To the right of the code are three circular icons with frogs: a green one at the top, a yellow one in the middle, and a red one at the bottom. At the bottom of the screen, there is a Windows taskbar with various pinned icons and system status indicators.

Level 10:

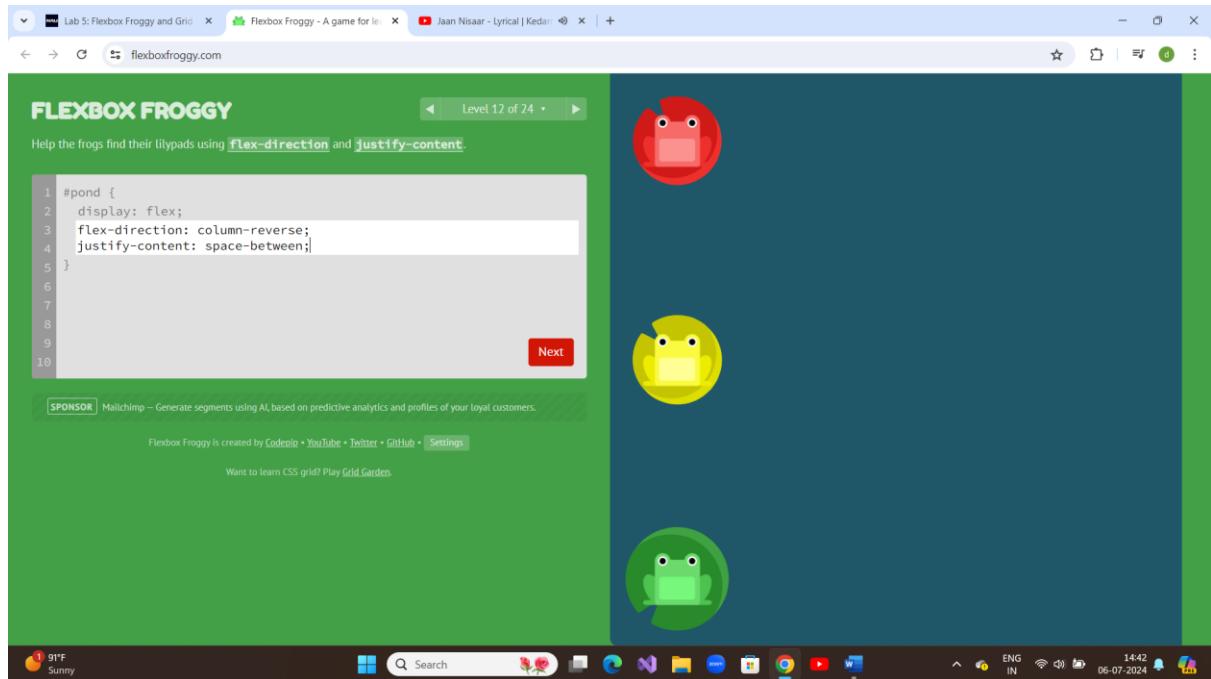


A screenshot of a web browser showing the 'Flexbox Froggy' game. The title bar says 'Lab 5: Flexbox Froggy and Grid'. The main content area has a green header with the text 'FLEXBOX FROGGY' and a progress bar 'Level 10 of 24'. Below the header, there is a text box containing CSS code for a 'pond' element, specifically setting 'flex-direction: row-reverse;' and 'justify-content: flex-end;'. To the right of the code are three circular icons with frogs: a red one on the left, a yellow one in the middle, and a green one on the right. At the bottom of the screen, there is a Windows taskbar with various pinned icons and system status indicators.

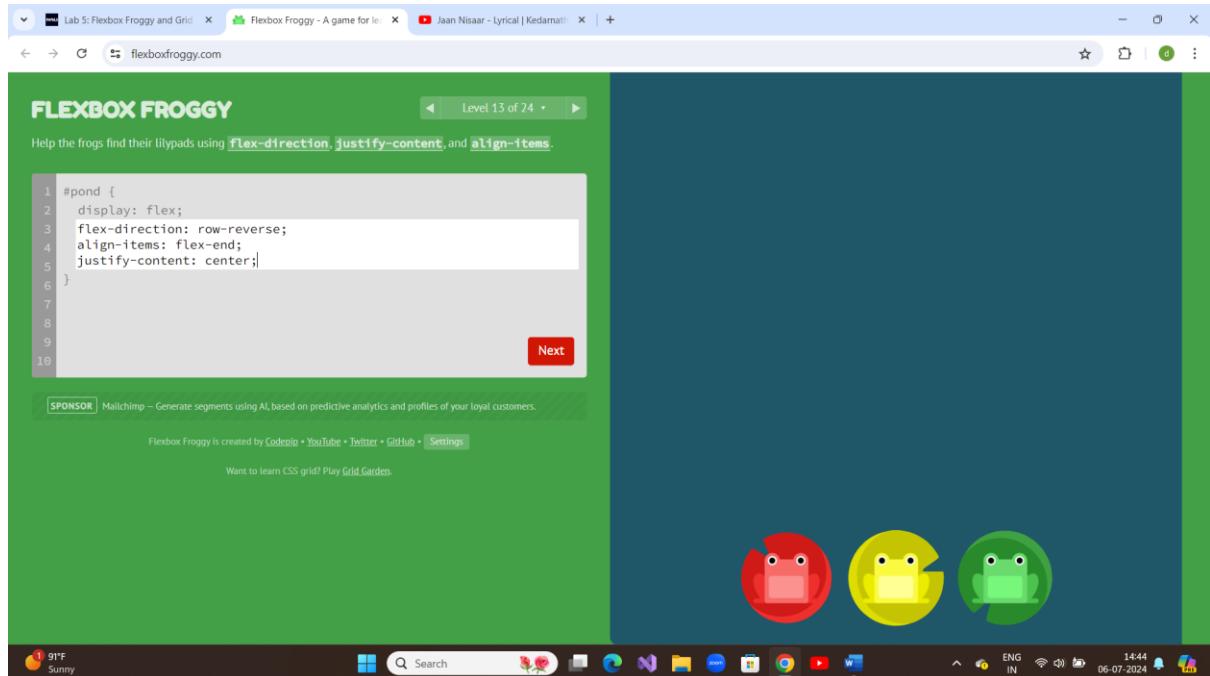
Level 11:



Level 12:



Level 13:

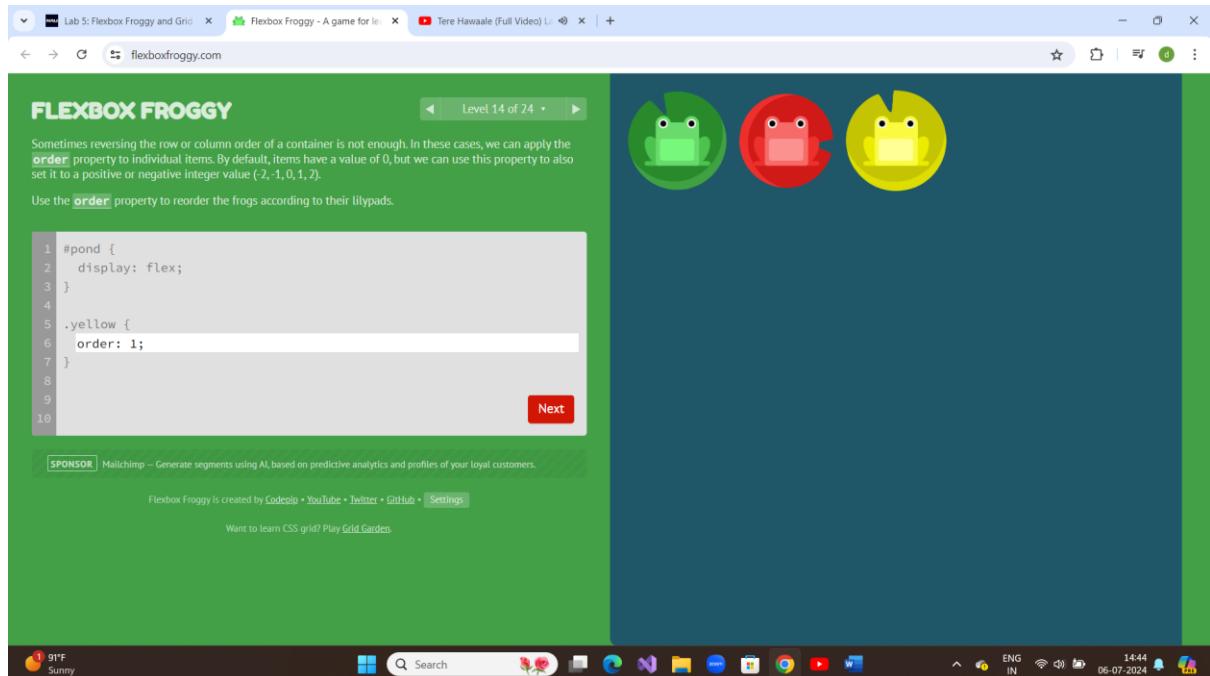


The screenshot shows a browser window with three tabs: "Lab 5: Flexbox Froggy and Grid", "Flexbox Froggy - A game for learning CSS", and "Jaan Nisaar - Lyrical | Kedarnath". The main content area is titled "FLEXBOX FROGGY" and displays "Level 13 of 24". It contains a code editor with the following CSS:

```
1 #pond {  
2   display: flex;  
3   flex-direction: row-reverse;  
4   align-items: flex-end;  
5   justify-content: center;  
6 }  
7  
8  
9  
10
```

A red "Next" button is visible at the bottom right of the code editor. Below the editor, a "SPONSOR" section for Mailchimp is shown. At the bottom of the page, there's a note about Flexbox Froggy being created by Codelopin, links to YouTube, Twitter, and GitHub, and a "Settings" button. The background features three frogs in red, yellow, and green circles. The task is to help the frogs find their lily pads using `flex-direction`, `justify-content`, and `align-items`.

Level 14:

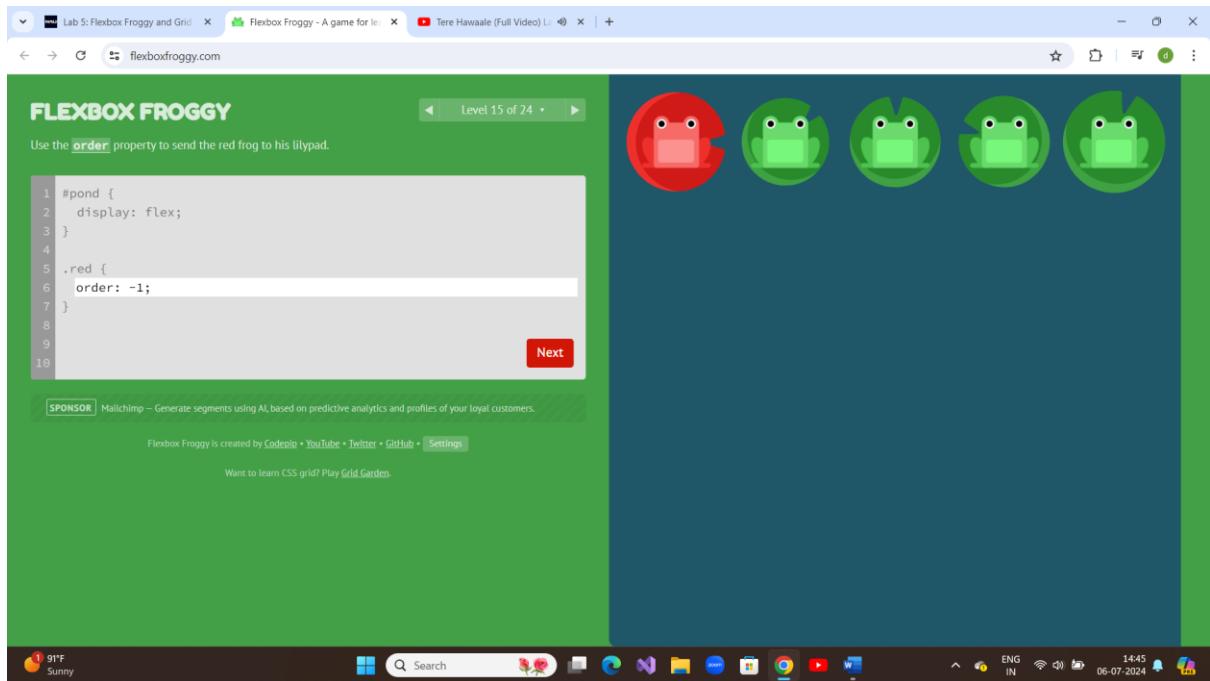


The screenshot shows a browser window with three tabs: "Lab 5: Flexbox Froggy and Grid", "Flexbox Froggy - A game for learning CSS", and "Tere Hawale (Full Video) L...". The main content area is titled "FLEXBOX FROGGY" and displays "Level 14 of 24". It contains a code editor with the following CSS:

```
1 #pond {  
2   display: flex;  
3 }  
4  
5 .yellow {  
6   order: 1;  
7 }  
8  
9  
10
```

A red "Next" button is visible at the bottom right of the code editor. Below the editor, a "SPONSOR" section for Mailchimp is shown. At the bottom of the page, there's a note about Flexbox Froggy being created by Codelopin, links to YouTube, Twitter, and GitHub, and a "Settings" button. The background features three frogs in green, red, and yellow circles. The task is to use the `order` property to reorder the frogs according to their lily pads.

Level 15:

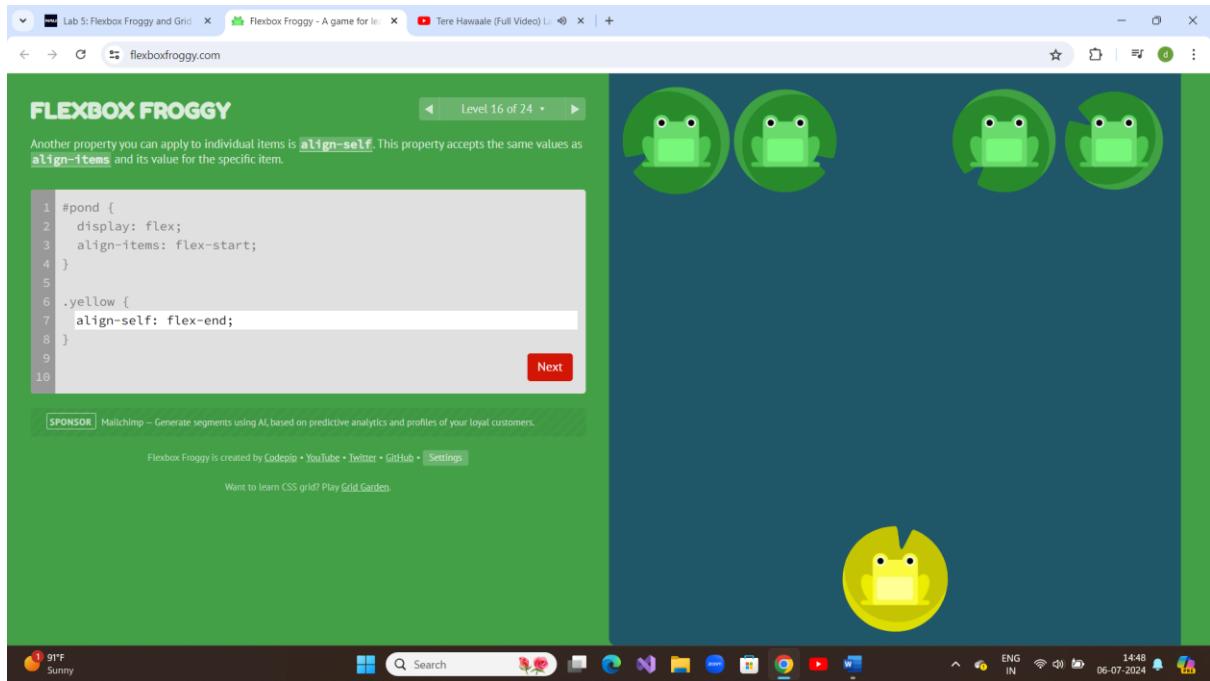


A screenshot of a web browser showing the Flexbox Froggy game. The title bar says "Lab 5: Flexbox Froggy and Grid". The main content area is titled "FLEXBOX FROGGY" and shows "Level 15 of 24". A green frog is on the left, and five green frogs are lined up on the right. A red frog is at the bottom center. A code editor on the left shows the following CSS:

```
1 #pond {  
2   display: flex;  
3 }  
4  
5 .red {  
6   order: -1;  
7 }  
8  
9  
10
```

A "Next" button is at the bottom right of the code editor. Below the code editor is a "SPONSOR" section for Mailchimp. At the bottom of the page is a navigation bar with links to YouTube, Twitter, GitHub, and Settings.

Level 16:

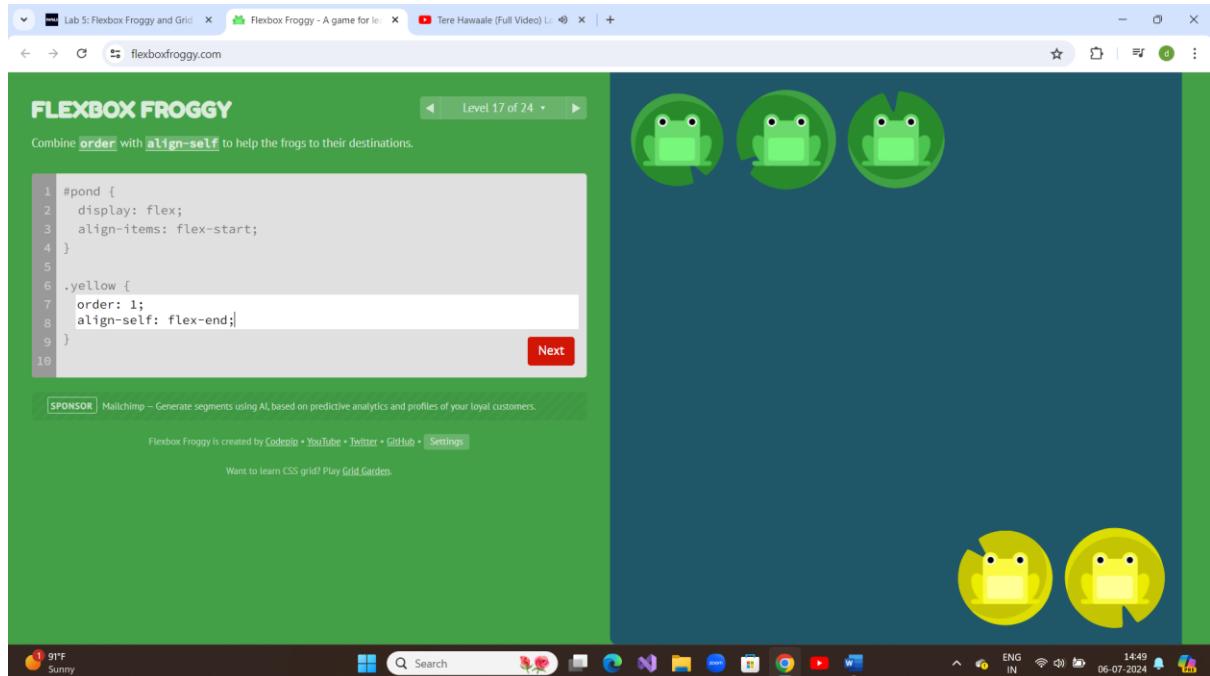


A screenshot of a web browser showing the Flexbox Froggy game. The title bar says "Lab 5: Flexbox Froggy and Grid". The main content area is titled "FLEXBOX FROGGY" and shows "Level 16 of 24". Two pairs of green frogs are on the left, and two pairs of green frogs are on the right. A yellow frog is at the bottom center. A code editor on the left shows the following CSS:

```
1 #pond {  
2   display: flex;  
3   align-items: flex-start;  
4 }  
5  
6 .yellow {  
7   align-self: flex-end;  
8 }  
9  
10
```

A "Next" button is at the bottom right of the code editor. Below the code editor is a "SPONSOR" section for Mailchimp. At the bottom of the page is a navigation bar with links to YouTube, Twitter, GitHub, and Settings.

Level 17:

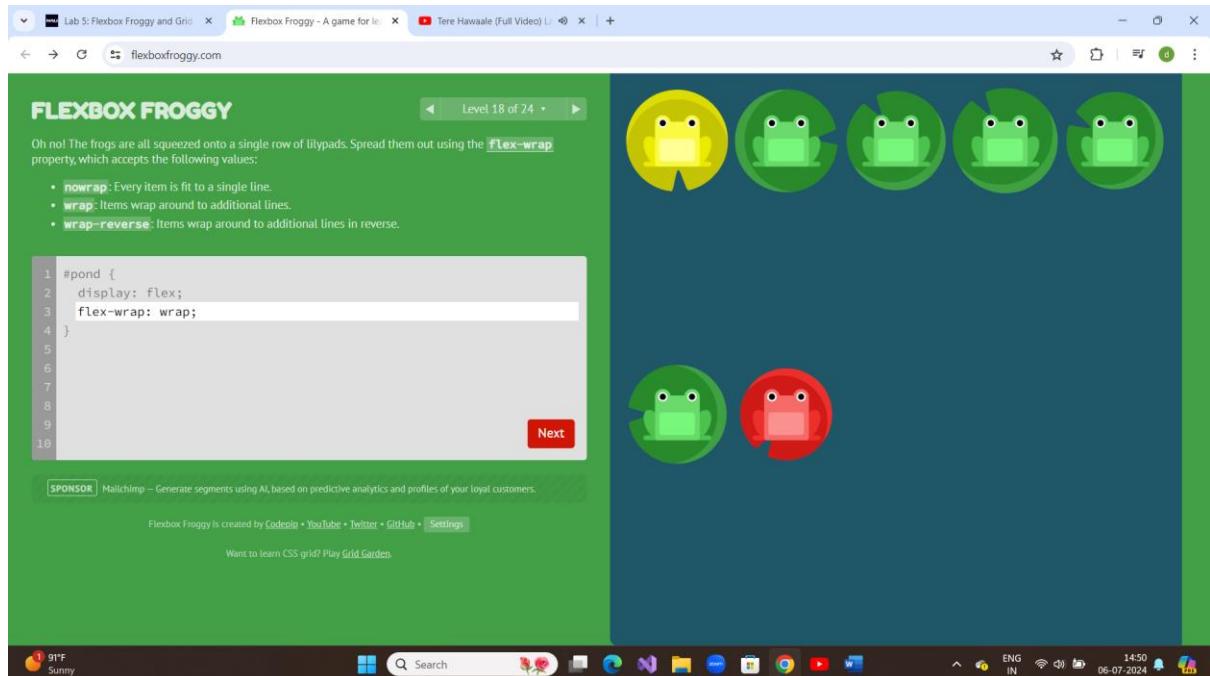


A screenshot of a web browser showing the Flexbox Froggy game. The title bar says "flexboxfroggy.com". The main content area has a green header with "FLEXBOX FROGGY" and "Level 17 of 24". Below the header, it says "Combine `order` with `align-self` to help the frogs to their destinations." A code editor shows the following CSS:

```
1 #pond {  
2   display: flex;  
3   align-items: flex-start;  
4 }  
5  
6 .yellow {  
7   order: 1;  
8   align-self: flex-end;  
9 }  
10
```

A red "Next" button is visible. To the right, there are three green circles containing frogs. One frog is in the first circle, one is in the second, and one is partially visible in the third. At the bottom, there is a "SPONSOR" section for Mailchimp, navigation links for YouTube, Twitter, and GitHub, and a "Settings" link. The taskbar at the bottom shows various icons and the date/time: 14:49, 06-07-2024.

Level 18:

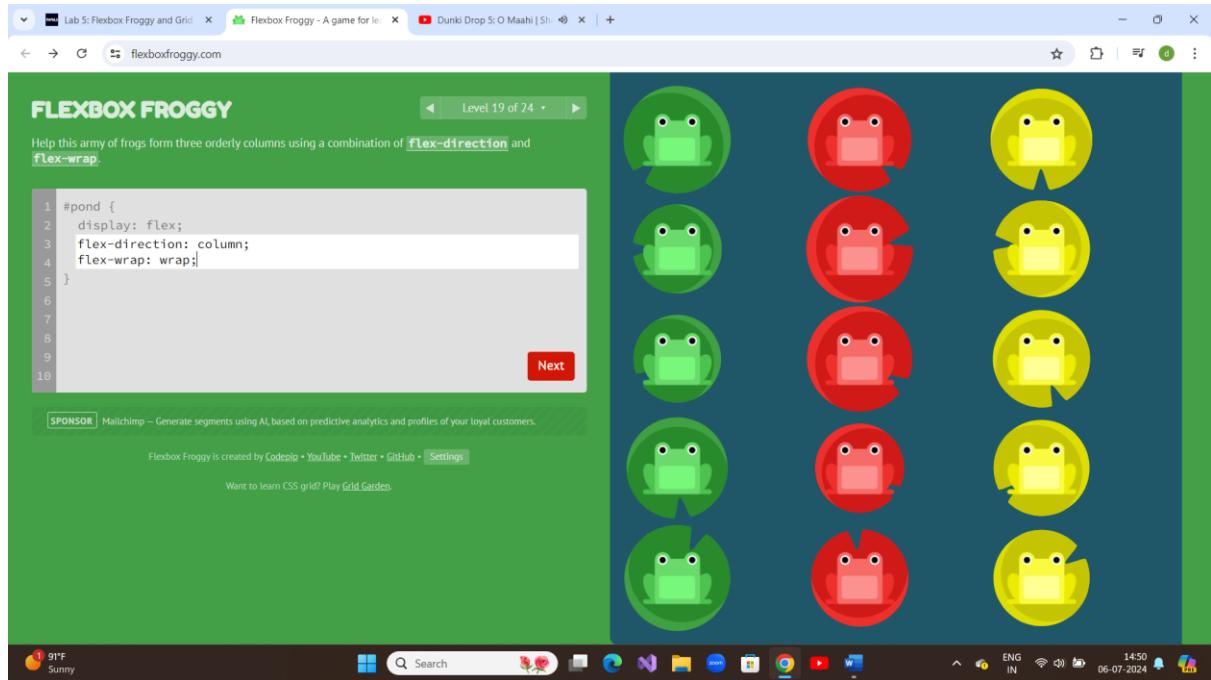


A screenshot of a web browser showing the Flexbox Froggy game. The title bar says "flexboxfroggy.com". The main content area has a green header with "FLEXBOX FROGGY" and "Level 18 of 24". Below the header, it says "Oh no! The frogs are all squeezed onto a single row of lily pads. Spread them out using the `flex-wrap` property, which accepts the following values:" followed by a list: "• `nowrap`: Every item is fit to a single line.", "• `wrap`: Items wrap around to additional lines.", and "• `wrap-reverse`: Items wrap around to additional lines in reverse.". A code editor shows the following CSS:

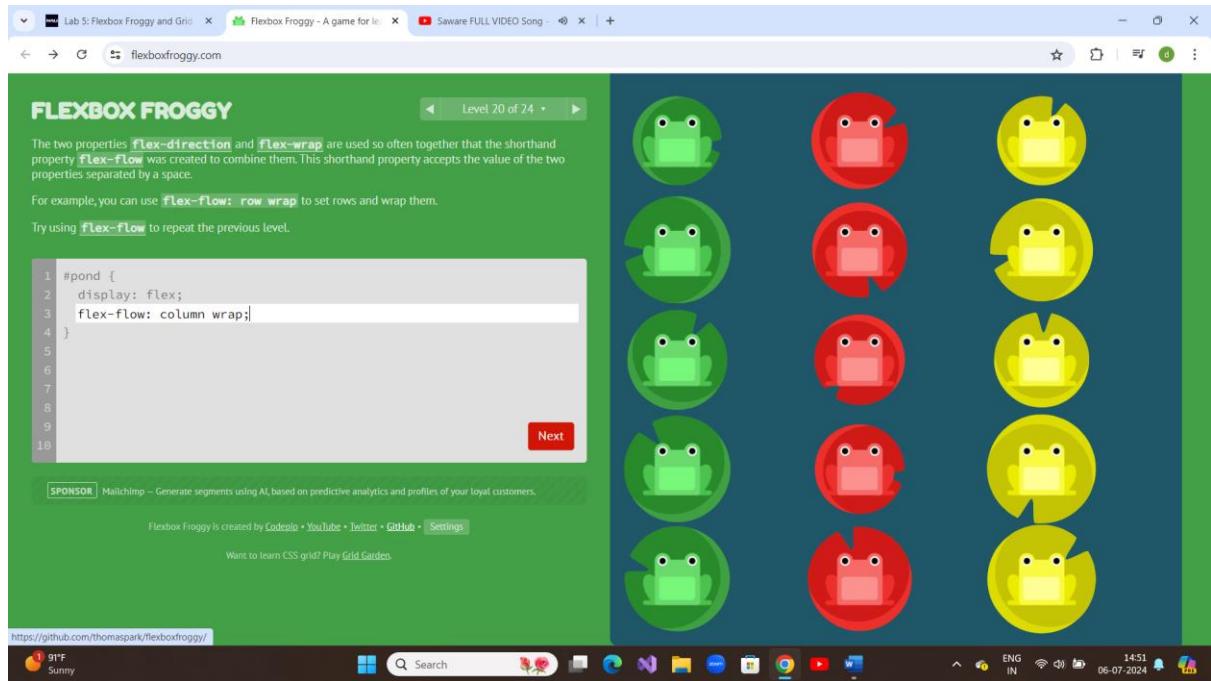
```
1 #pond {  
2   display: flex;  
3   flex-wrap: wrap;  
4 }  
5  
6  
7  
8  
9  
10
```

A red "Next" button is visible. To the right, there are five green circles containing frogs, arranged in two rows: two in the top row and three in the bottom row. At the bottom, there is a "SPONSOR" section for Mailchimp, navigation links for YouTube, Twitter, and GitHub, and a "Settings" link. The taskbar at the bottom shows various icons and the date/time: 14:50, 06-07-2024.

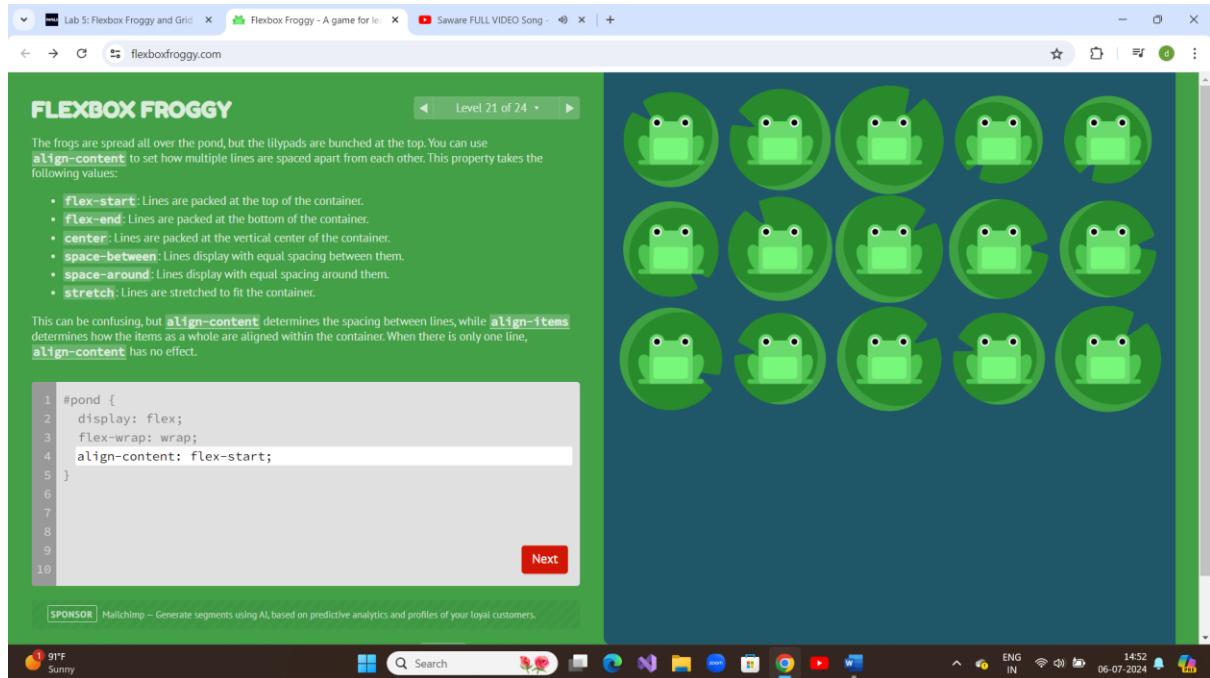
Level 19:



Level 20:



Level 21:

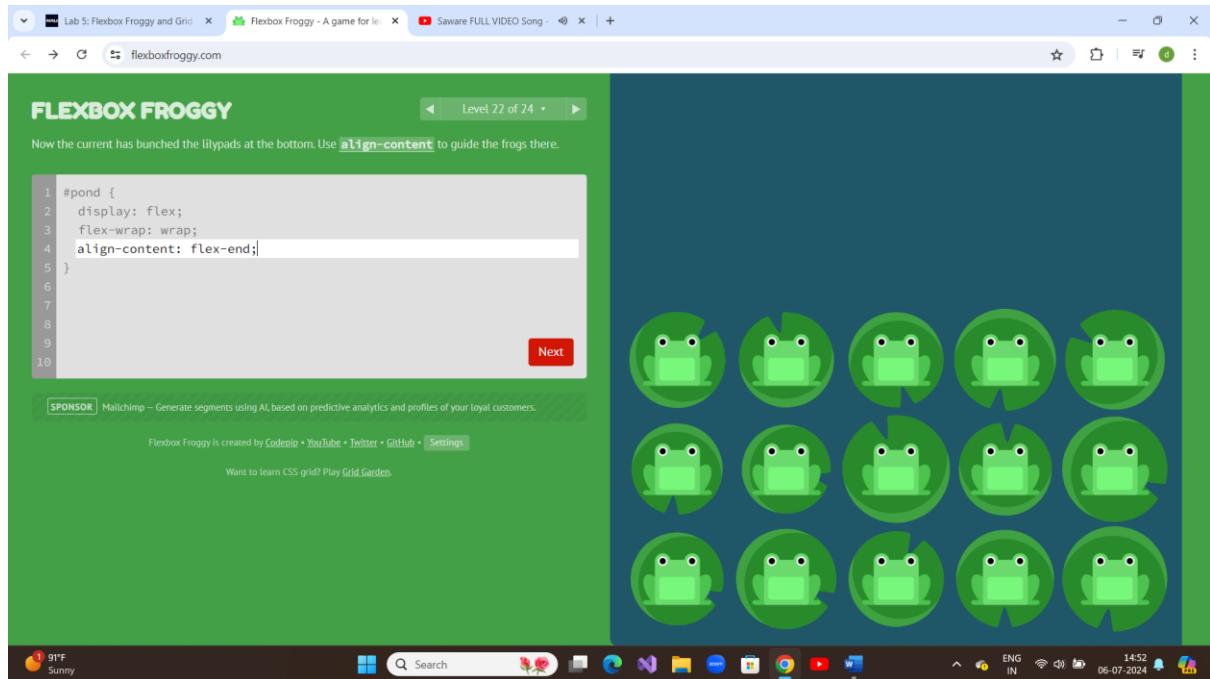


The screenshot shows a browser window with three tabs: "Lab 5: Flexbox Froggy and Grid", "Flexbox Froggy - A game for learning CSS", and "Saware FULL VIDEO Song". The main content area is titled "FLEXBOX FROGGY" and displays "Level 21 of 24". The task is to spread frogs over a pond where lily pads are bunched at the top. It explains that `align-content` is used to space multiple lines apart. A list of values for `align-content` is provided: `flex-start`, `flex-end`, `center`, `space-between`, `space-around`, and `stretch`. It notes that `flex-start` and `flex-end` pack lines at the top and bottom respectively, while `center` aligns them vertically. The `space-between` and `space-around` properties provide equal spacing between items. The `stretch` value makes lines fit the container. Below this, it states that `align-content` determines the spacing between lines, while `align-items` determines the alignment of items within the lines. A code editor on the left shows the following CSS:

```
1 #pond {  
2   display: flex;  
3   flex-wrap: wrap;  
4   align-content: flex-start;  
5 }  
6  
7  
8  
9  
10
```

A red "Next" button is visible at the bottom right of the code editor. The background features a grid of green frog icons in circles.

Level 22:



The screenshot shows a browser window with three tabs: "Lab 5: Flexbox Froggy and Grid", "Flexbox Froggy - A game for learning CSS", and "Saware FULL VIDEO Song". The main content area is titled "FLEXBOX FROGGY" and displays "Level 22 of 24". The task is to spread frogs over a pond where lily pads are bunched at the bottom. It instructs to use `align-content` to guide the frogs there. A code editor on the left shows the following CSS:

```
1 #pond {  
2   display: flex;  
3   flex-wrap: wrap;  
4   align-content: flex-end;  
5 }  
6  
7  
8  
9  
10
```

A red "Next" button is visible at the bottom right of the code editor. The background features a grid of green frog icons in circles.

Level 23:

The screenshot shows a browser window with the title "Flexbox Froggy - A game for learning CSS". The main content area displays a pond scene with frogs on lily pads. The task is to get the frogs home using CSS properties. The left sidebar contains the following CSS code:

```
1 #pond {  
2   display: flex;  
3   flex-wrap: wrap;  
4   flex-direction: column-reverse;  
5   align-content: center;  
6 }  
7  
8  
9  
10
```

A red "Next" button is visible at the bottom right of the sidebar. Below the sidebar, a green banner says "Sponsor: Mailchimp - Generate segments using AI, based on predictive analytics and profiles of your loyal customers." At the bottom of the sidebar, it says "Flexbox Froggy is created by CodeGlo • YouTube • Twitter • GitHub • Settings". A note at the bottom of the sidebar says "Want to learn CSS grid? Play Grid Garden". The status bar at the bottom of the screen shows the date as 06-07-2024 and the time as 14:53.

Level 24:

The screenshot shows a browser window with the title "Flexbox Froggy - A game for learning CSS". The main content area displays a pond scene with frogs on lily pads. The task is to bring the frogs home using CSS properties. The left sidebar contains the following CSS code:

```
1 #pond {  
2   display: flex;  
3   flex-direction: column-reverse;  
4   flex-wrap: wrap-reverse;  
5   align-content: space-between;  
6   justify-content: center;  
7 }  
8  
9  
10
```

A red "Next" button is visible at the bottom right of the sidebar. Below the sidebar, a green banner says "Sponsor: Mailchimp - Generate segments using AI, based on predictive analytics and profiles of your loyal customers." At the bottom of the sidebar, it says "Flexbox Froggy is created by CodeGlo • YouTube • Twitter • GitHub • Settings". A note at the bottom of the sidebar says "Want to learn CSS grid? Play Grid Garden". The status bar at the bottom of the screen shows the date as 06-07-2024 and the time as 14:54.

Grid Garden

Level 1:

Welcome to Grid Garden, where you write CSS code to grow your carrot garden! Water only the areas that have carrots by using the `grid-column-start` property.

For example, `grid-column-start: 3;` will water the area starting at the 3rd vertical grid line, which is another way of saying the 3rd vertical border from the left in the grid.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column-start: 3;  
9 }  
10  
11  
12  
13  
14
```

Next

Mailchimp Target your customers with personalized marketing on the channels they're most likely to convert. AD

Grid Garden is created by Codeplp • YouTube • Twitter • GitHub • English

Want to learn CSS flexbox? Play Flexbox Froggy.

91°F Sunny

Search

15:20 06-07-2024 ENG IN

Level 2:

Uh oh, looks like weeds are growing in the corner of your garden. Use `grid-column-start` to poison them. Note that the weeds start at the 5th vertical grid line.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #poison {  
8   grid-column-start: 5;  
9 }  
10  
11  
12  
13  
14
```

Next

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Want to learn CSS flexbox? Play Flexbox Froggy.

91°F Sunny

Search

15:21 06-07-2024 ENG IN

Level 3:

Lab 5: Flexbox Froggy and Grid | Grid Garden - A game for learning | Tum Se Hi lyrical | Jab We | +

cssgridgarden.com

GRID GARDEN

When `grid-column-start` is used alone, the grid item by default will span exactly one column. However, you can extend the item across multiple columns by adding the `grid-column-end` property.

Using `grid-column-end`, water all of your carrots while avoiding the dirt. We don't want to waste any water! Note that the carrots start at the 1st vertical grid line and end at the 4th.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column-start: 1;  
9   grid-column-end: 4;  
10 }  
11  
12  
13  
14
```

Next

Mailchimp Target your customers with personalized marketing on the channels they're most likely to convert. AD

Grid Garden is created by Codeplz • YouTube • Twitter • GitHub • English

Want to learn CSS flexbox? Play Flexbox Froggy.

91°F Sunny



ENG IN 15:22 06-07-2024

Level 4:

Lab 5: Flexbox Froggy and Grid | Grid Garden - A game for learning | Tum Se Hi lyrical | Jab We | +

cssgridgarden.com

GRID GARDEN

When pairing `grid-column-start` and `grid-column-end`, you might assume that the end value has to be greater than the start value. But this turns out not to be the case!

Try setting `grid-column-end` to a value less than 5 to water your carrots.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column-start: 5;  
9   grid-column-end: 2;  
10 }  
11  
12  
13  
14
```

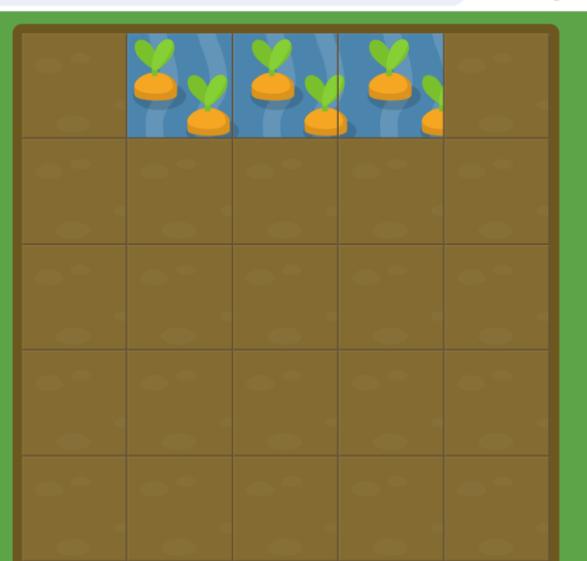
Next

Mailchimp Target your customers with personalized marketing on the channels they're most likely to convert. AD

Grid Garden is created by Codeplz • YouTube • Twitter • GitHub • English

Want to learn CSS Flexbox? Play Flexbox Froggy.

91°F Sunny



ENG IN 15:23 06-07-2024

Level 5:

Lab 5: Flexbox Froggy and Grid | Grid Garden - A game for learning CSS Grid | Tum Se Hi lyrical | Jab We Met | +

GRID GARDEN

If you want to count grid lines from the right instead of the left, you can give `grid-column-start` and `grid-column-end` negative values. For example, you can set it to `-1` to specify the first grid line from the right.

Try setting `grid-column-end` to a negative value.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column-start: 1;  
9   grid-column-end: -2; // This line is selected.  
10 }  
11  
12  
13  
14
```

Next

Mailchimp Target your customers with personalized marketing on the channels they're most likely to convert. AD

Grid Garden is created by Codeplz • YouTube • Twitter • GitHub • English

Want to learn CSS flexbox? Play Flexbox Froggy.

91°F Sunny



ENG IN 15:23 06-07-2024

Level 6:

Lab 5: Flexbox Froggy and Grid | Grid Garden - A game for learning CSS Grid | Dhadak - Title Track | Full Version | +

GRID GARDEN

Now try setting `grid-column-start` to a negative value.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #poison {  
8   grid-column-start: -3; // This line is selected.  
9 }  
10  
11  
12  
13  
14
```

Next

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Level 7:

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GRID GARDEN

Instead of defining a grid item based on the start and end positions of the grid lines, you can define it based on your desired column width using the `span` keyword. Keep in mind that `span` only works with positive values.

For example, water these carrots with the rule `grid-column-end: span 2;`.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column-start: 2;  
9   grid-column-end: span 2;  
10 }  
11  
12  
13  
14
```

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Level 8:

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GRID GARDEN

Try using `grid-column-end` with the `span` keyword again to water your carrots.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column-start: 1;  
9   grid-column-end: span 5;  
10 }  
11  
12  
13  
14
```

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Level 9:

The screenshot shows a web browser window for 'Grid Garden - A game for learning CSS Grid'. The title bar says 'Lab 5: Flexbox Froggy and Grid' and 'Dhadak - Title Track | Full Version'. The main content area is titled 'GRID GARDEN' and shows 'Level 9 of 28'. On the left, there is a code editor with the following CSS:

```
1 #garden {
2   display: grid;
3   grid-template-columns: 20% 20% 20% 20% 20%;
4   grid-template-rows: 20% 20% 20% 20% 20%;
5 }
6
7 #water {
8   grid-column-start: span 3;
9   grid-column-end: 6;
10 }
```

A 'Next' button is at the bottom right of the code editor. To the right is a 6x6 grid divided into 36 smaller squares. In the top row, the last two columns (spanning from column 3 to 6) contain a blue background with three small green plants growing out of orange circles. The rest of the grid is brown. At the bottom of the page, there is an 'AD' for Mailchimp and footer links for Codeplip, YouTube, Twitter, GitHub, and English.

Level 10:

The screenshot shows a web browser window for 'Grid Garden - A game for learning CSS Grid'. The title bar says 'Lab 5: Flexbox Froggy and Grid' and 'Dhadak - Title Track | Full Version'. The main content area is titled 'GRID GARDEN' and shows 'Level 10 of 28'. On the left, there is a code editor with the following CSS:

```
1 #garden {
2   display: grid;
3   grid-template-columns: 20% 20% 20% 20% 20%;
4   grid-template-rows: 20% 20% 20% 20% 20%;
5 }
6
7 #water {
8   grid-column: 2 / 4;
9 }
```

A 'Next' button is at the bottom right of the code editor. To the right is a 6x6 grid divided into 36 smaller squares. In the top row, the second and third columns (spanning from column 2 to 4) contain a blue background with two small green plants growing out of orange circles. The rest of the grid is brown. At the bottom of the page, there is an 'AD' for Mailchimp and footer links for Codeplip, YouTube, Twitter, GitHub, and English.

Level 11:

Lab 5: Flexbox Froggy and Grid | Grid Garden - A game for learning | Dhadak - Title Track | Full Version

cssgridgarden.com

GRID GARDEN

Level 11 of 28

Try using `grid-column` to water these carrots. The `span` keyword also works with this shorthand property so give it a try!

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column: 2/span 3;  
9 }  
10  
11  
12  
13  
14
```

Next

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Windows taskbar: Search, File Explorer, Edge, Chrome, YouTube, File, Mail, Calendar, Task View, Taskbar settings, ENG IN, 15:28, 06-07-2024

Level 12:

Lab 5: Flexbox Froggy and Grid | Grid Garden - A game for learning | Lyrical Video: Saathiya | Simba | Full Version

cssgridgarden.com

GRID GARDEN

Level 12 of 28

One of the things that sets CSS grids apart from flexbox is that you can easily position items in two dimensions: columns and rows. `grid-row-start` works much like `grid-column-start` except along the vertical axis.

Use `grid-row-start` to water these carrots.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-row-start: 3;  
9 }  
10  
11  
12  
13  
14
```

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Level 13:

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GRID GARDEN

Now give the shorthand property `grid-row` a try.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
  
6 #water {  
7   grid-row: 3/6;  
8 }  
9  
10  
11  
12  
13  
14
```

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Level 14:

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GRID GARDEN

Use `grid-column` and `grid-row` at the same time to set position in both dimensions.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
  
6 #poison {  
7   grid-column: 2;  
8   grid-row: 5;]  
9 }  
10  
11  
12  
13  
14
```

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Level 15:

Lab 5: Flexbox Froggy and Grid | Grid Garden - A game for learning CSS Grid | Dil Diyan Galian Song | Tigris

cssgridgarden.com

GRID GARDEN

You can also use `grid-column` and `grid-row` together to span larger areas within the grid. Give it a try!

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column: 2/6;  
9   grid-row: 1/6;  
10 }  
11  
12  
13  
14
```

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Level 16:

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GRID GARDEN

If typing out both `grid-column` and `grid-row` is too much for you, there's yet another shorthand for that: `grid-area` accepts four values separated by slashes: `grid-row-start`, `grid-column-start`, `grid-row-end`, followed by `grid-column-end`.

One example of this would be `grid-area: 1 / 1 / 3 / 6;`.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-area: 1 / 2 / 4 / 6;  
9 }  
10  
11  
12  
13  
14
```

Next

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Level 17:

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GRID GARDEN

How about multiple items? You can overlap them without any trouble. Use `grid-area` to define a second area that covers all of the unwatered carrots.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water-1 {  
8   grid-area: 1 / 4 / 6 / 5;  
9 }  
10  
11 #water-2 {  
12   grid-area: 2 / 3 / 5 / 6;  
13 }  
14
```

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Level 18:

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GRID GARDEN

If grid items aren't explicitly placed with `grid-area`, `grid-column`, `grid-row`, etc., they are automatically placed according to their order in the source code. We can override this using the `order` property, which is one of the advantages of grid over table-based layout.

By default, all grid items have an `order` of 0, but this can be set to any positive or negative value, similar to `z-index`.

Right now, the carrots in the second column are being poisoned and the weeds in the last column are being watered. Change the `order` value of the poison to fix this right away!

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 .water {  
8   order: 0;  
9 }  
10  
11 #poison {  
12   order: 1;  
13 }
```

Next

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Level 19:

The screenshot shows a computer desktop with a browser window open to 'cssgridgarden.com'. The page title is 'GRID GARDEN' and it says 'Level 19 of 28'. On the left, there is a code editor with the following CSS:

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 .water {  
8   order: 0;  
9 }  
10  
11 .poison {  
12   order: -1;  
13 }  
14
```

A 'Next' button is at the bottom right of the code editor. To the right is a 5x5 grid of carrots in water. The first row contains five green poison symbols ('P'). The second row contains five carrots. The third row is empty. The fourth and fifth rows are also empty. A status bar at the bottom shows '91°F Sunny' and the date '06-07-2024'.

Level 20:

The screenshot shows a computer desktop with a browser window open to 'cssgridgarden.com'. The page title is 'GRID GARDEN' and it says 'Level 20 of 28'. On the left, there is a code editor with the following CSS:

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 50%;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-column: 1;  
9   grid-row: 1;  
10 }  
11  
12  
13  
14
```

A 'Next' button is at the bottom right of the code editor. To the right is a 5x5 grid of carrots in water. The first row contains four carrots. The second row contains four carrots. The third row is empty. The fourth and fifth rows are also empty. A status bar at the bottom shows '91°F Sunny' and the date '06-07-2024'.

Level 21:

The screenshot shows a browser window with the URL cssgridgarden.com. The page title is "GRID GARDEN". A navigation bar at the top says "Level 21 of 28". On the left, there is a code editor with the following CSS:

```
1 #garden {
2   display: grid;
3   grid-template-columns: repeat(8, 12.5%);
4   grid-template-rows: 20% 20% 20% 20% 20%;
```

Below the code editor is a "Next" button. To the right is a large 12x8 grid divided into 96 equal brown squares. In the top-left corner of the grid, there is a small illustration of a plant with two green leaves and an orange root.

Level 22:

The screenshot shows a browser window with the URL cssgridgarden.com. The page title is "GRID GARDEN". A navigation bar at the top says "Level 22 of 28". On the left, there is a code editor with the following CSS:

```
1 #garden {
2   display: grid;
3   grid-template-columns: 100px 3em 40%;
```

Below the code editor is a "Next" button. To the right is a large 12x8 grid divided into 96 equal brown squares. In the top row, there are five small illustrations of plants with green leaves and orange roots, spaced evenly across the first three columns.

Level 23:

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GRID GARDEN

Grid also introduces a new unit, the fractional `fr`. Each `fr` unit allocates one share of the available space. For example, if two elements are set to `1fr` and `3fr` respectively, the space is divided into 4 equal shares; the first element occupies 1/4 and the second element 3/4 of any leftover space.

Here, weeds make up the left 1/6 of your first row and carrots the remaining 5/6. Create two columns with these widths using `fr` units.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 1fr 5fr;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7  
8  
9  
10  
11  
12  
13  
14
```

Next

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Level 24:

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GRID GARDEN

When columns are set with pixels, percentages, or ems, any other columns set with `fr` will divvy up the space that's left over.

Here the carrots form a 50 pixel column on the left, and the weeds a 50 pixel column on the right. With `grid-template-columns`, create these two columns, and use `fr` to make three more columns that take up the remaining space in between.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 50px 1fr 1fr 1fr 50px;  
4   grid-template-rows: 20% 20% 20% 20% 20%;  
5 }  
6  
7 #water {  
8   grid-area: 1 / 1 / 6 / 2;  
9 }  
10  
11 #poison {  
12   grid-area: 1 / 5 / 6 / 6;  
13 }  
14
```

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Level 25:

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cssgridgarden.com

GRID GARDEN

Now there is a 75 pixel column of weeds on the left side of your garden. 3/5 of the remaining space is growing carrots, while 2/5 has been overrun with weeds.

Use `grid-template-columns` with a combination of `px` and `fr` units to make the necessary columns.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 75px 3fr 2fr;  
4   grid-template-rows: 100%;  
5 }  
6  
7  
8  
9  
10  
11  
12  
13  
14
```

Next

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Level 26:

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GRID GARDEN

`grid-template-rows` works much the same as `grid-template-columns`.

Use `grid-template-rows` to water all but the top 50 pixels of your garden. Note that the water is set to fill only your 5th row, so you'll need to create 5 rows in total.

```
1 #garden {  
2   display: grid;  
3   grid-template-columns: 20% 20% 20% 20% 20%;  
4   grid-template-rows: 50px 0fr 0fr 0fr 1fr;  
5 }  
6  
7 #water {  
8   grid-column: 1 / 6;  
9   grid-row: 5 / 6;  
10 }  
11  
12  
13  
14
```

Next

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Level 27:

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GRID GARDEN

Level 27 of 28

`grid-template` is shorthand property that combines `grid-template-rows` and `grid-template-columns`.

For example, `grid-template: 50% 50% / 200px;` will create a grid with two rows that are 50% each, and one column that is 200 pixels wide.

Try using `grid-template` to water an area that includes the top 60% and left 200 pixels of your garden.

```
1 #garden {  
2   display: grid;  
3   grid-template: 60% /200px;  
4 }  
5  
6 #water {  
7   grid-column: 1;  
8   grid-row: 1;  
9 }  
10  
11  
12  
13  
14
```

Next

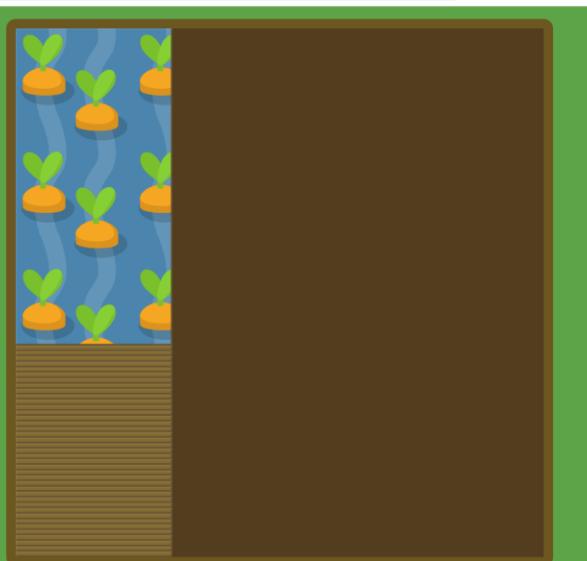
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Level 28:

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GRID GARDEN

Level 28 of 28

Your garden is looking great. Here you've left a 50 pixel path at the bottom of your garden and filled the rest with carrots.

Unfortunately, the left 20% of your carrots have been overrun with weeds. Use CSS grid one last time to treat your garden.

```
1 #garden {  
2   display: grid;  
3   grid-template: 1fr 50px /20% 80%;  
4 }  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14
```

Next

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