

Step: 1 of 24

CSS : Classroom - 6

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Flexbox Froggy - A game for le

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FLEXBOX FROGGY

◀ Level 1 of 24 ▶

Welcome to Flexbox Froggy, a game where you help Froggy and friends by writing CSS code! Guide this frog to the lilypad on the right by using the **justify-content** property, which aligns items horizontally and accepts the following values:

- **flex-start**: Items align to the left side of the container.
- **flex-end**: Items align to the right side of the container.
- **center**: Items align at the center of the container.
- **space-between**: Items display with equal spacing between them.
- **space-around**: Items display with equal spacing around them.


For example, **justify-content: flex-end;** will move the frog to the right.

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

Next

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Step: 2 of 24

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FLEXBOX FROGGY

◀ Level 2 of 24 ▶

Use **justify-content** again to help these frogs get to their lilypads. Remember that this CSS property aligns items horizontally and accepts the following values:


- **flex-start**: Items align to the left side of the container.
- **flex-end**: Items align to the right side of the container.
- **center**: Items align at the center of the container.
- **space-between**: Items display with equal spacing between them.
- **space-around**: Items display with equal spacing around them.

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

Next

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Step: 3 of 24

CSS : Classwork - 6

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FLEXBOX FROGGY

Level 3 of 24

Help all three frogs find their lilypads just by using **justify-content**. This time, the lilypads have lots of space all around them.




If you find yourself forgetting the possible values for a property, you can click on the property name to view them. Try clicking on **justify-content**.

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

Next

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Step: 4 of 24

CSS : Classwork - 6

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FLEXBOX FROGGY

Level 4 of 24




Now the lilypads on the edges have drifted to the shore, increasing the space between them. Use **justify-content**. This time, the lilypads have equal spacing between them.

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

Next

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Step: 5 of 24

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FLEXBOX FROGGY

Level 5 of 24

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:


- **flex-start**: Items align to the top of the container.
- **flex-end**: Items align to the bottom of the container.
- **center**: Items align at the vertical center of the container.
- **baseline**: Items display at the baseline of the container.
- **stretch**: Items are stretched to fit the container.

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

Next

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Step: 6 of 24

CSS : Classwork - 6

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FLEXBOX FROGGY

Level 6 of 24


Lead the frog to the center of the pond using a combination of **justify-content** and **align-items**.

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

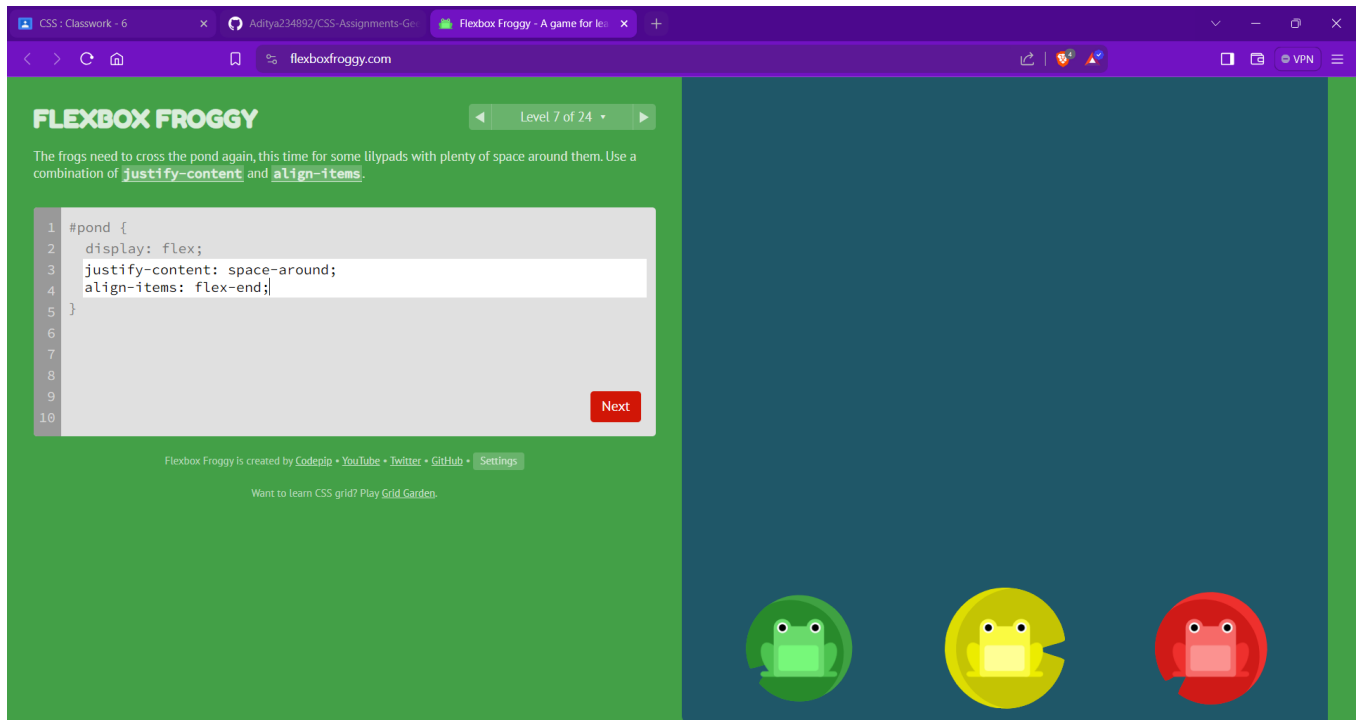
Next

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Step: 7 of 24



The screenshot shows the Flexbox Froggy game interface at Level 7 of 24. The left panel has a green background and contains the following CSS code in a text editor:

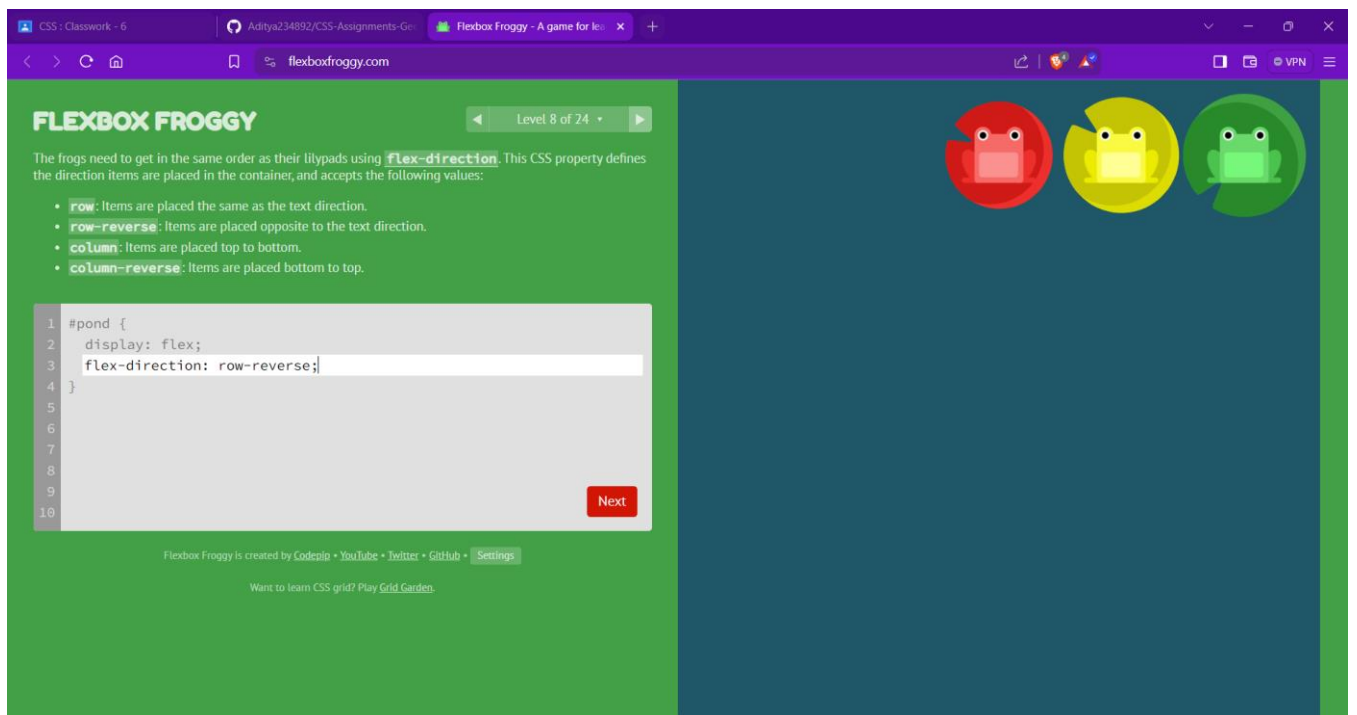
```
1 #pond {  
2   display: flex;  
3   justify-content: space-around;  
4   align-items: flex-end;  
5 }  
6  
7  
8  
9  
10
```

Below the code editor is a red "Next" button. The right panel has a dark blue background and shows three frogs (green, yellow, and red) positioned at the bottom of the screen, each inside a circular lily pad.

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Step: 8 of 24



The screenshot shows the Flexbox Froggy game interface at Level 8 of 24. The left panel has a green background and contains the following CSS code in a text editor:

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

Below the code editor is a red "Next" button. The right panel has a dark blue background and shows three frogs (red, yellow, and green) positioned at the bottom of the screen, each inside a circular lily pad.

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Step: 9 of 24

The screenshot shows the Flexbox Froggy game interface for Level 9 of 24. The browser window has a purple header with tabs for 'CSS: Classwork - 6', 'Aditya234892/CSS-Assignments-Ge...', and 'Flexbox Froggy - A game for le...'. The address bar shows 'flexboxfroggy.com'. The game area has a green background on the left and a dark blue background on the right. The title 'FLEXBOX FROGGY' is in white. Below it, a paragraph explains the goal: 'Help the frogs find their column of lily pads using **flex-direction**. This CSS property defines the direction items are placed in the container, and accepts the following values:'. A bulleted list follows:

- **row**: Items are placed the same as the text direction.
- **row-reverse**: Items are placed opposite to the text direction.
- **column**: Items are placed top to bottom.
- **column-reverse**: Items are placed bottom to top.

 Below the list is a code editor with a light gray background and line numbers 1 to 10. The code is:

```
1 #pond {
2   display: flex;
3   flex-direction: column;
4 }
```

 A red 'Next' button is at the bottom right of the code editor. At the bottom of the green area, there are links: 'Flexbox Froggy is created by Codepen • YouTube • Twitter • GitHub • Settings' and 'Want to learn CSS grid? Play Grid Garden.' On the right, three circular lily pads are visible: a green one at the top, a yellow one in the middle, and a red one at the bottom. Each lily pad has a frog icon.

FLEXBOX FROGGY Level 9 of 24

Help the frogs find their column of lily pads using **flex-direction**. This CSS property defines the direction items are placed in the container, and accepts the following values:

- **row**: Items are placed the same as the text direction.
- **row-reverse**: Items are placed opposite to the text direction.
- **column**: Items are placed top to bottom.
- **column-reverse**: Items are placed bottom to top.

```
1 #pond {
2   display: flex;
3   flex-direction: column;
4 }
```

Next

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Step: 10 of 24

The screenshot shows the Flexbox Froggy game interface for Level 10 of 24. The browser window has a purple header with tabs for 'CSS: Classwork - 6', 'Aditya234892/CSS-Assignments-Ge...', and 'Flexbox Froggy - A game for le...'. The address bar shows 'flexboxfroggy.com'. The game area has a green background on the left and a dark blue background on the right. The title 'FLEXBOX FROGGY' is in white. Below it, a paragraph explains the goal: 'Help the frogs get to their own lily pads. Although they seem close, it will take both **flex-direction** and **justify-content** to get them there.' A note follows: 'Notice that when you set the direction to a reversed row or column, start and end are also reversed.' Below the note is a code editor with a light gray background and line numbers 1 to 10. The code is:

```
1 #pond {
2   display: flex;
3   flex-direction: row-reverse;
4   justify-content: flex-end;
5 }
```

 A red 'Next' button is at the bottom right of the code editor. At the bottom of the green area, there are links: 'Flexbox Froggy is created by Codepen • YouTube • Twitter • GitHub • Settings' and 'Want to learn CSS grid? Play Grid Garden.' On the right, three circular lily pads are visible: a red one on the left, a yellow one in the middle, and a green one on the right. Each lily pad has a frog icon.

FLEXBOX FROGGY Level 10 of 24

Help the frogs get to their own lily pads. Although they seem close, it will take both **flex-direction** and **justify-content** to get them there.

Notice that when you set the direction to a reversed row or column, start and end are also reversed.

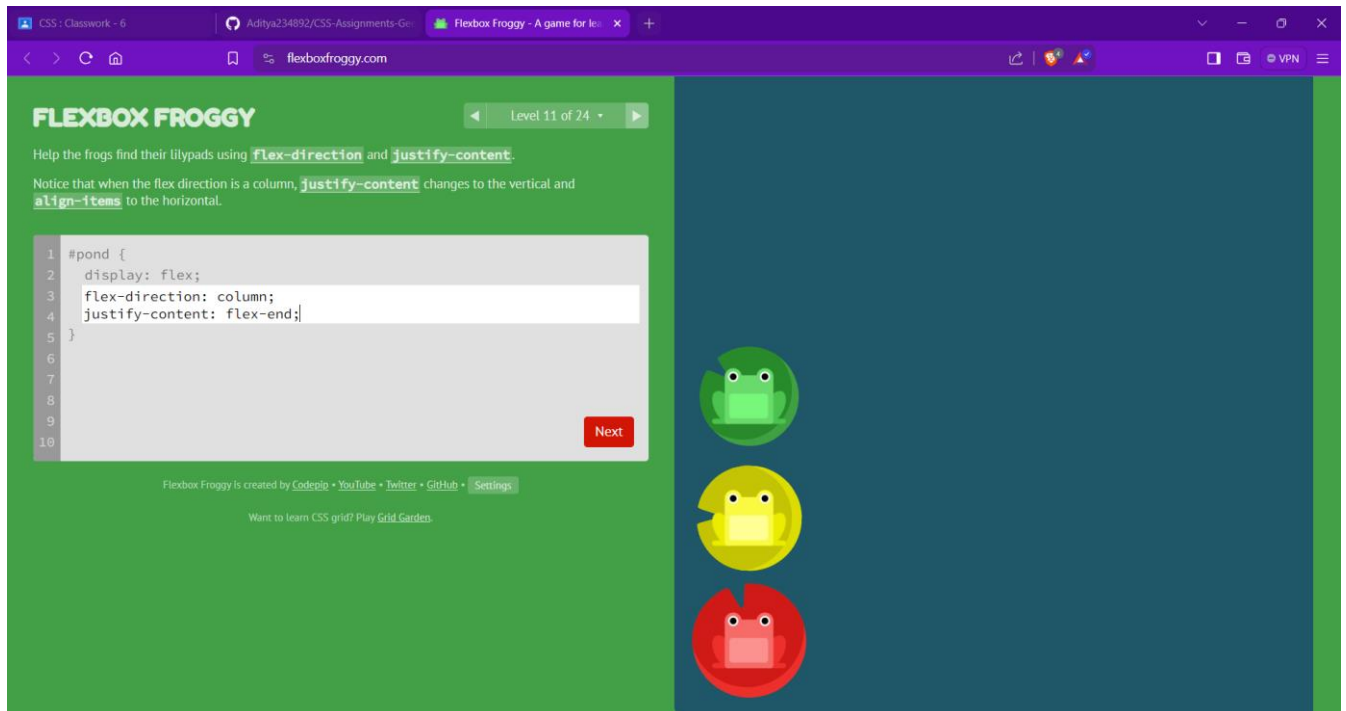
```
1 #pond {
2   display: flex;
3   flex-direction: row-reverse;
4   justify-content: flex-end;
5 }
```

Next

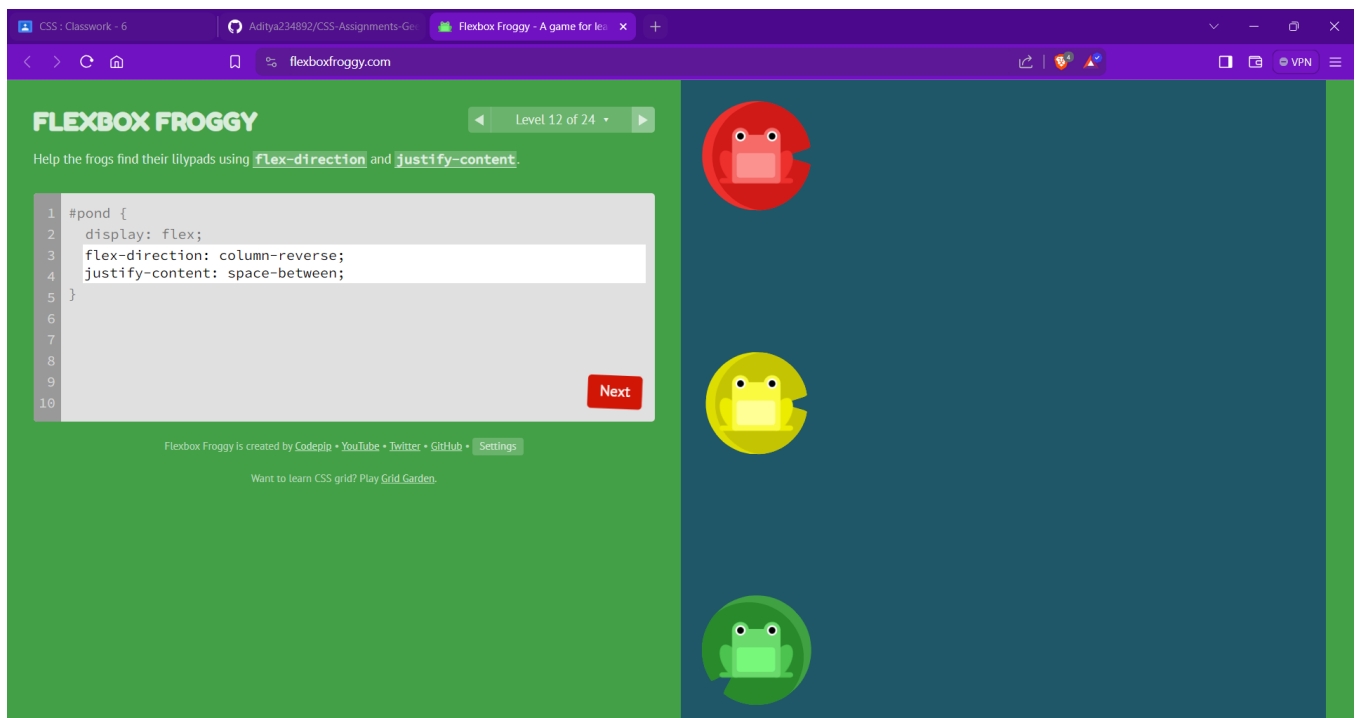
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Step: 11 of 24



Step: 12 of 24



Step: 13 of 24

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FLEXBOX FROGGY

Level 13 of 24


Help the frogs find their lilypads using **flex-direction**, **justify-content**, and **align-items**.

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

Next

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Step: 14 of 24

CSS : Classwork - 6

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FLEXBOX FROGGY

Level 14 of 24

Sometimes reversing the row or column order of a container is not enough. In these cases, we can apply the **order** property to individual items. By default, items have a value of 0, but we can use this property to also set it to a positive or negative integer value (-2, -1, 0, 1, 2).


Use the **order** property to reorder the frogs according to their lilypads.

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

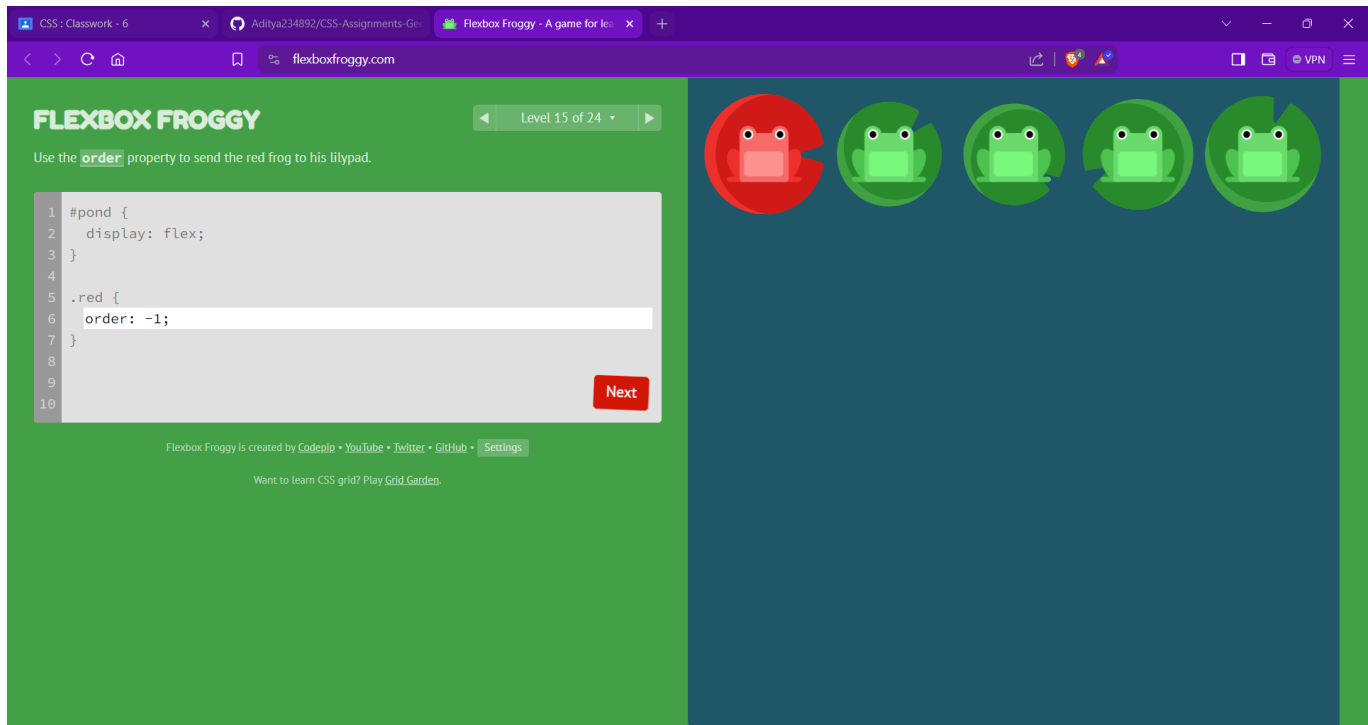
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Step: 15 of 24



The screenshot shows the Flexbox Froggy game interface at Level 15 of 24. The left panel contains a code editor with the following CSS:

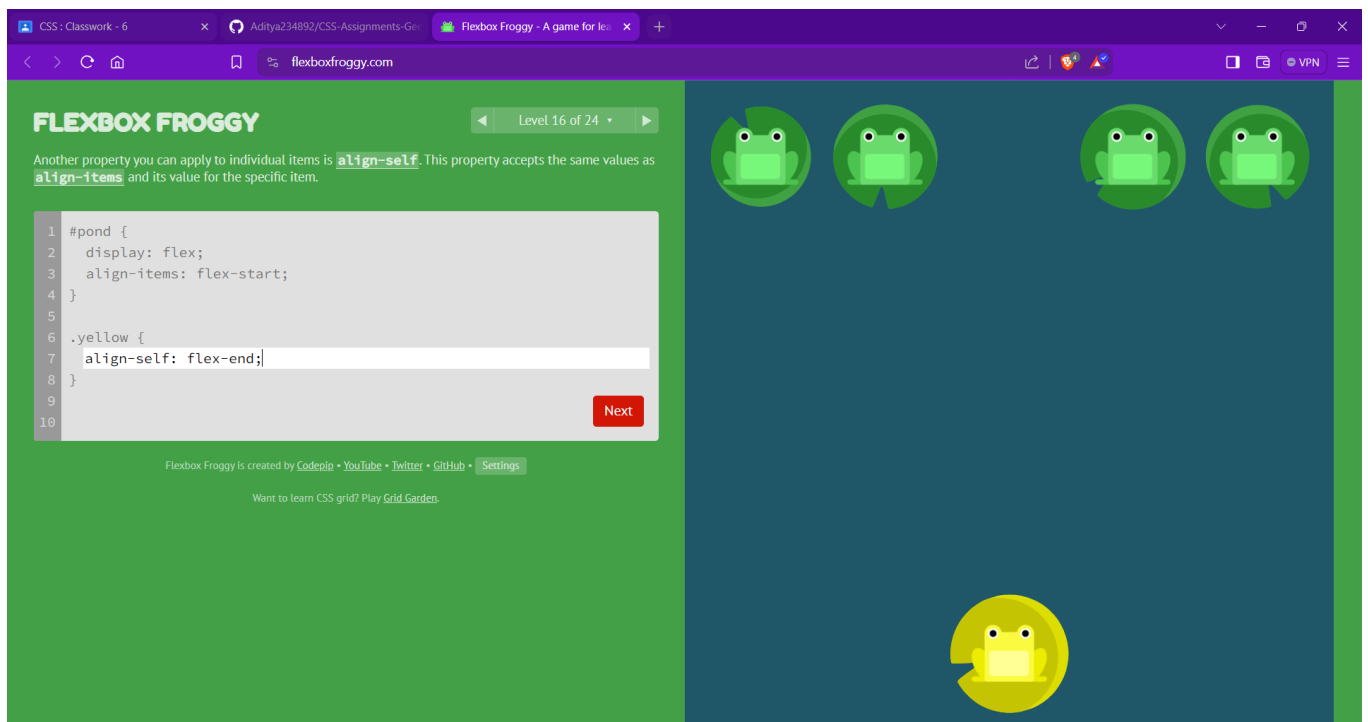
```
1 #pond {  
2   display: flex;  
3 }  
4  
5 .red {  
6   order: -1;  
7 }  
8  
9  
10
```

Below the code editor is a red "Next" button. The right panel shows a visual representation of the level: a red frog is positioned at the start of a horizontal flex container, followed by four green frogs. The background is a dark blue pond with a green border.

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Step: 16 of 24



The screenshot shows the Flexbox Froggy game interface at Level 16 of 24. The left panel contains a code editor with 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
```

Below the code editor is a red "Next" button. The right panel shows a visual representation of the level: four green frogs are aligned to the start of the flex container, and a yellow frog is aligned to the end. The background is a dark blue pond with a green border.

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Step: 17 of 24

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FLEXBOX FROGGY

Level 17 of 24


Combine **order** with **align-self** to help the frogs to their destinations.


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

Next

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Step: 18 of 24

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FLEXBOX FROGGY

Level 18 of 24

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:


- **nowrap**: Every item is fit to a single line.
- **wrap**: Items wrap around to additional lines.
- **wrap-reverse**: Items wrap around to additional lines in reverse.


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

Next

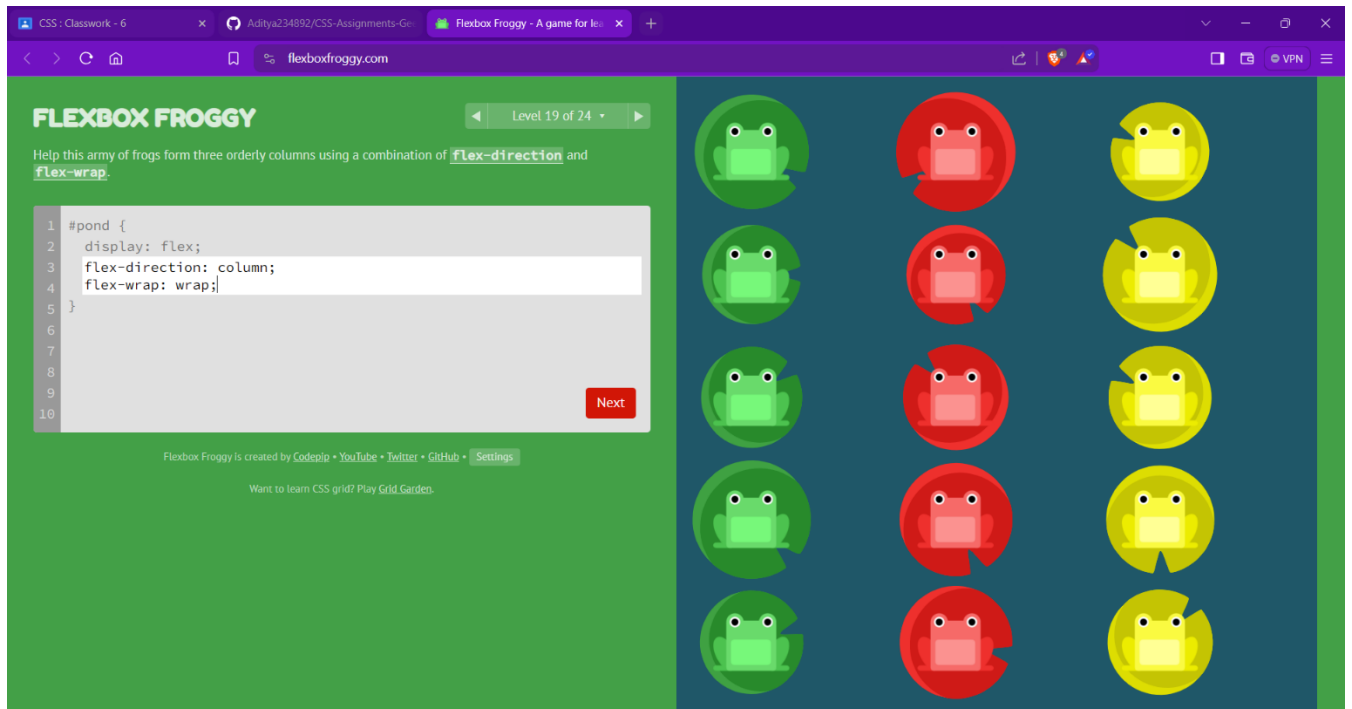
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Step: 19 of 24

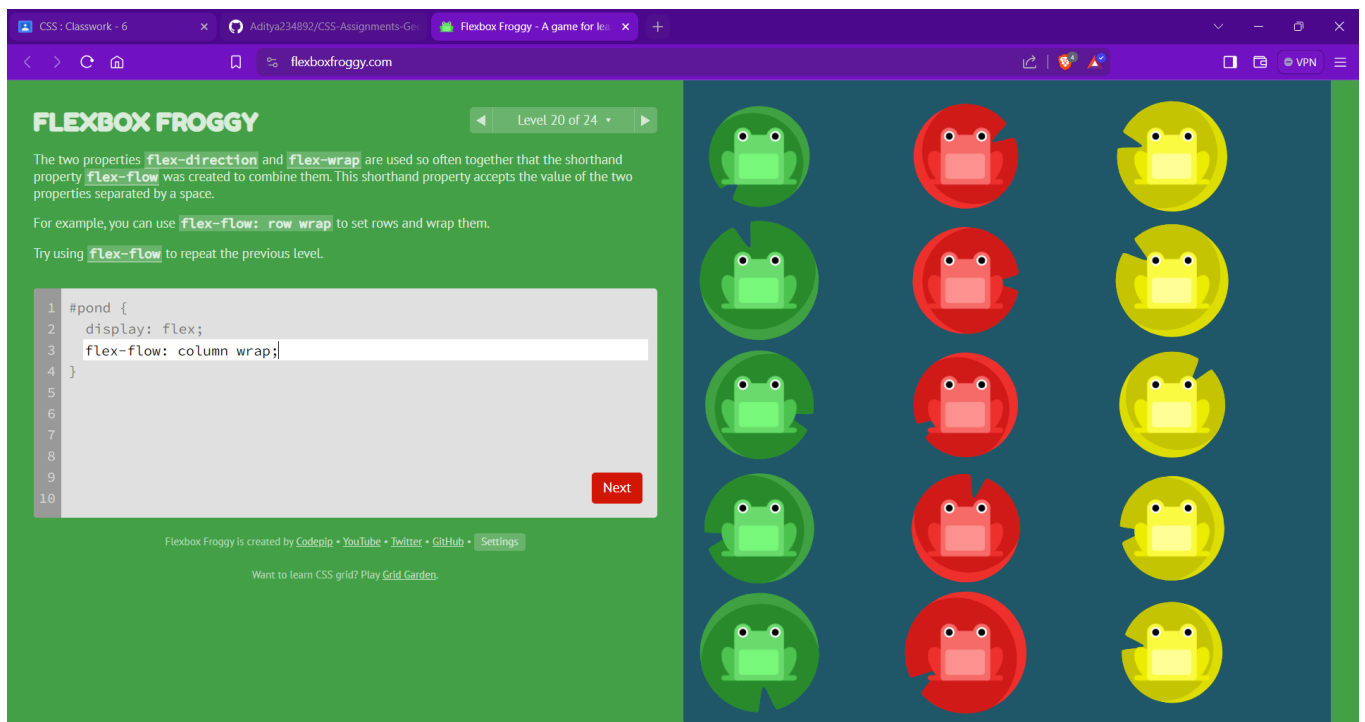


The screenshot shows the Flexbox Froggy game interface at Level 19. The left panel has a green background and contains the title "FLEXBOX FROGGY" and a navigation bar showing "Level 19 of 24". Below the title, a text box explains the goal: "Help this army of frogs form three orderly columns using a combination of `flex-direction` and `flex-wrap`." A code editor displays the following CSS code:

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

A red "Next" button is located at the bottom right of the code editor. Below the code editor, there are links for "Flexbox Froggy is created by Codecademy • YouTube • Twitter • GitHub • Settings" and a link "Want to learn CSS grid? Play Grid Garden." The right panel shows a 5x3 grid of frog icons. The first column contains five green frogs, the second column contains five red frogs, and the third column contains five yellow frogs. The frogs are arranged in a grid that wraps from left to right.

Step: 20 of 24



The screenshot shows the Flexbox Froggy game interface at Level 20. The left panel has a green background and contains the title "FLEXBOX FROGGY" and a navigation bar showing "Level 20 of 24". Below the title, a text box explains the goal: "The two properties `flex-direction` and `flex-wrap` are used so often together that the shorthand property `flex-flow` was created to combine them. This shorthand property accepts the value of the two properties separated by a space. For example, you can use `flex-flow: row wrap` to set rows and wrap them. Try using `flex-flow` to repeat the previous level." A code editor displays the following CSS code:

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

A red "Next" button is located at the bottom right of the code editor. Below the code editor, there are links for "Flexbox Froggy is created by Codecademy • YouTube • Twitter • GitHub • Settings" and a link "Want to learn CSS grid? Play Grid Garden." The right panel shows a 5x3 grid of frog icons. The first column contains five green frogs, the second column contains five red frogs, and the third column contains five yellow frogs. The frogs are arranged in a grid that wraps from left to right.

Step: 21 of 24

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FLEXBOX FROGGY

Level 21 of 24

The frogs are spread all over the pond, but the lilypads are bunched at the top. You can use **align-content** to set how multiple lines are spaced apart from each other. This property takes the following values:

- **flex-start**: Lines are packed at the top of the container.
- **flex-end**: Lines are packed at the bottom of the container.
- **center**: Lines are packed at the vertical center of the container.
- **space-between**: Lines display with equal spacing between them.
- **space-around**: Lines display with equal spacing around them.
- **stretch**: Lines are stretched to fit the container.


This can be confusing, but **align-content** determines the spacing between lines, while **align-items** determines how the items as a whole are aligned within the container. When there is only one line, **align-content** has no effect.

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

Next

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FLEXBOX FROGGY

Level 22 of 24


Now the current has bunched the lilypads at the bottom. Use **align-content** to guide the frogs there.

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

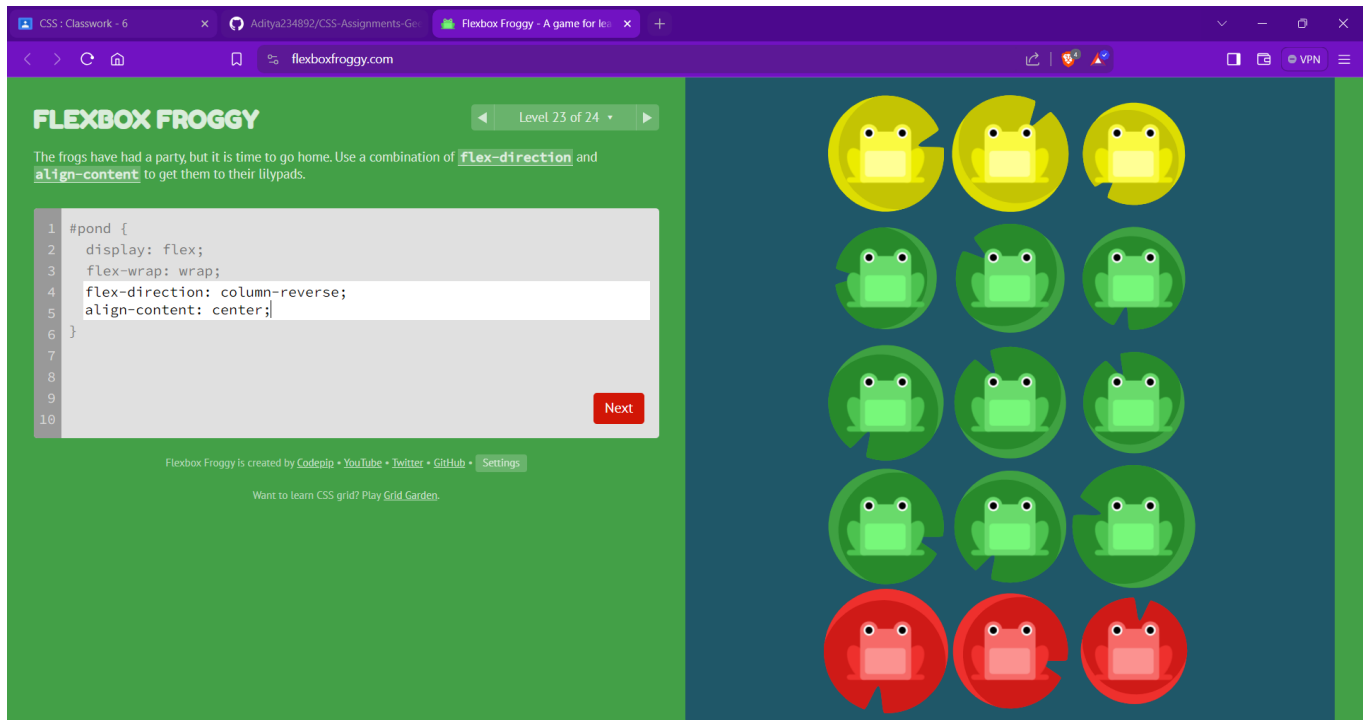
Next

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Step: 23 of 24



Step: 24 of 24

