

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.

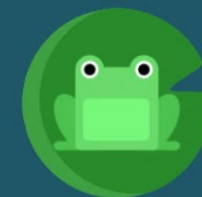
For example, `justify-content: flex-end;` will move the frog to the right.

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

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FLEXBOX FROGGY

Level 2 of 24

Use `justify-content` again to help these frogs get to their lily pads. 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 }
```

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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 }
```

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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
```

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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
```

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Level 6 of 24

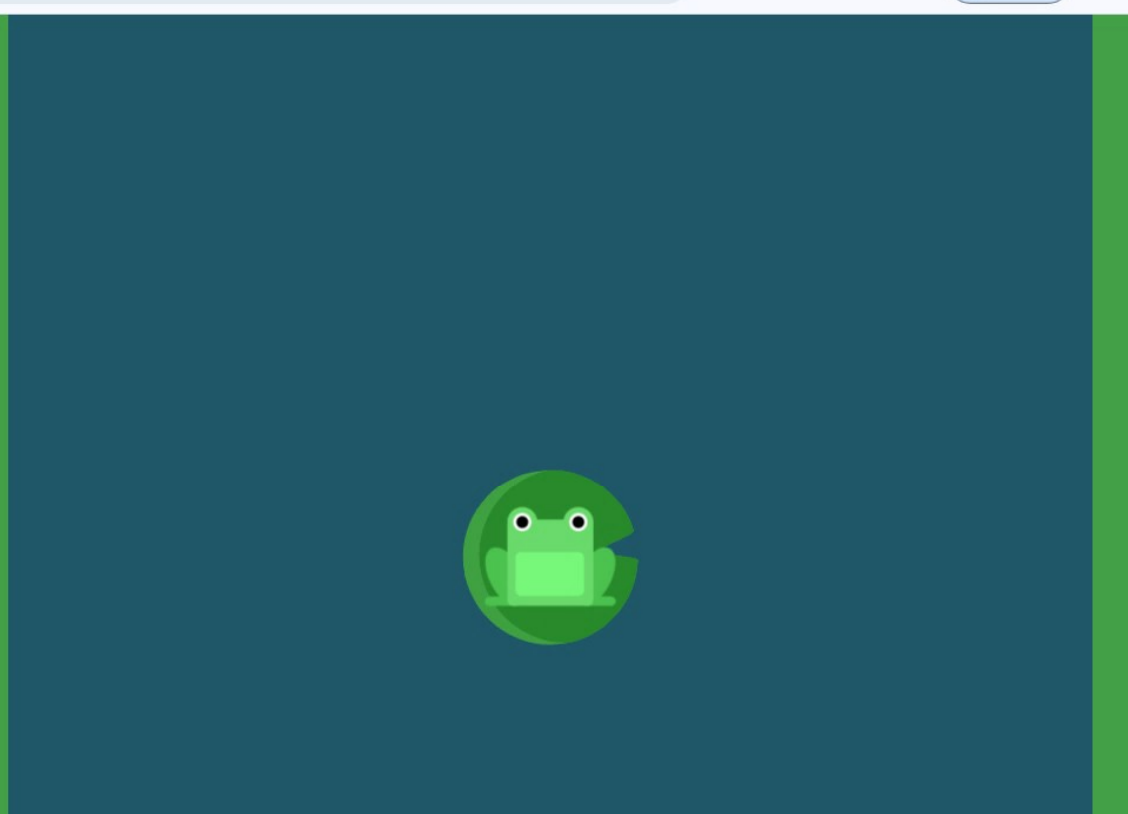
Lead the frog to the center of the pond using a combination of `justify-content` and `align-items`.

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

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Level 7 of 24

The frogs need to cross the pond again, this time for some lilypads with plenty of space around them. Use a combination of `justify-content` and `align-items`.

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

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FLEXBOX FROGGY

Level 8 of 24

The frogs need to get in the same order as their lilypads 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: row-reverse;  
4 }  
5  
6  
7  
8  
9  
10
```

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Level 9 of 24

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

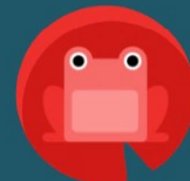
- row**: Items are placed the same as the text direction.
- row-reverse**: Items are placed opposite to the text direction.
- column**: Items are placed top to bottom.
- column-reverse**: Items are placed bottom to top.

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

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Level 10 of 24

Help the frogs get to their own lilypads. 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 }
6
7
8
9
10
```

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FLEXBOX FROGGY

Level 11 of 24

Help the frogs find their lilypads using `flex-direction` and `justify-content`.

Notice that when the flex direction is a column, `justify-content` changes to the vertical and `align-items` to the horizontal.

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

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Level 12 of 24

Help the frogs find their lilypads using `flex-direction` and `justify-content`.

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

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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 }
```

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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:3;
7 }
8
9
10
```

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Level 15 of 24

Use the `order` property to send the red frog to his lilypad.

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

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Level 16 of 24

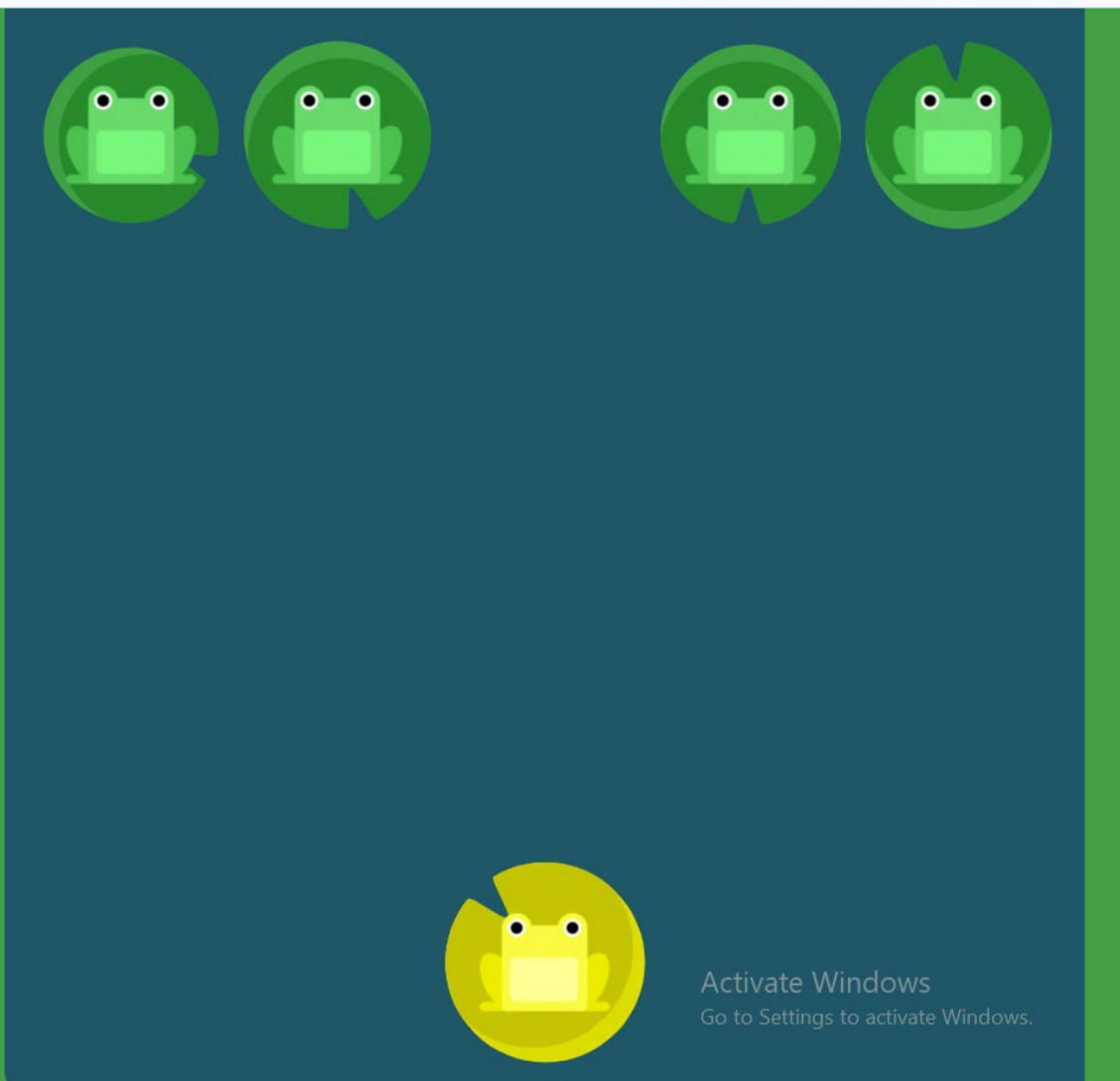
Another property you can apply to individual items is **align-self**. This property accepts the same values as **align-items** and its value for the specific item.

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

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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:4;  
8   align-self: flex-end;  
9 }  
10
```

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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:

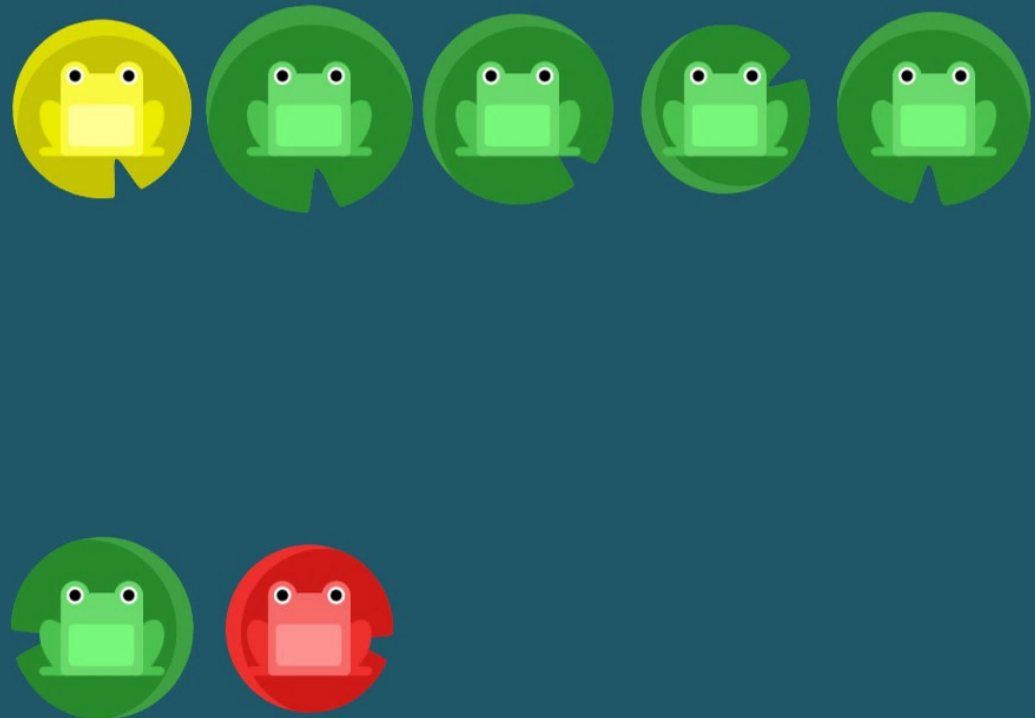
- `nowrap`: Every item is fit to a single line.
- `wrap`: Items wrap around to additional lines.
- `wrap-reverse`: Items wrap around to additional lines in reverse.

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

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Level 19 of 24

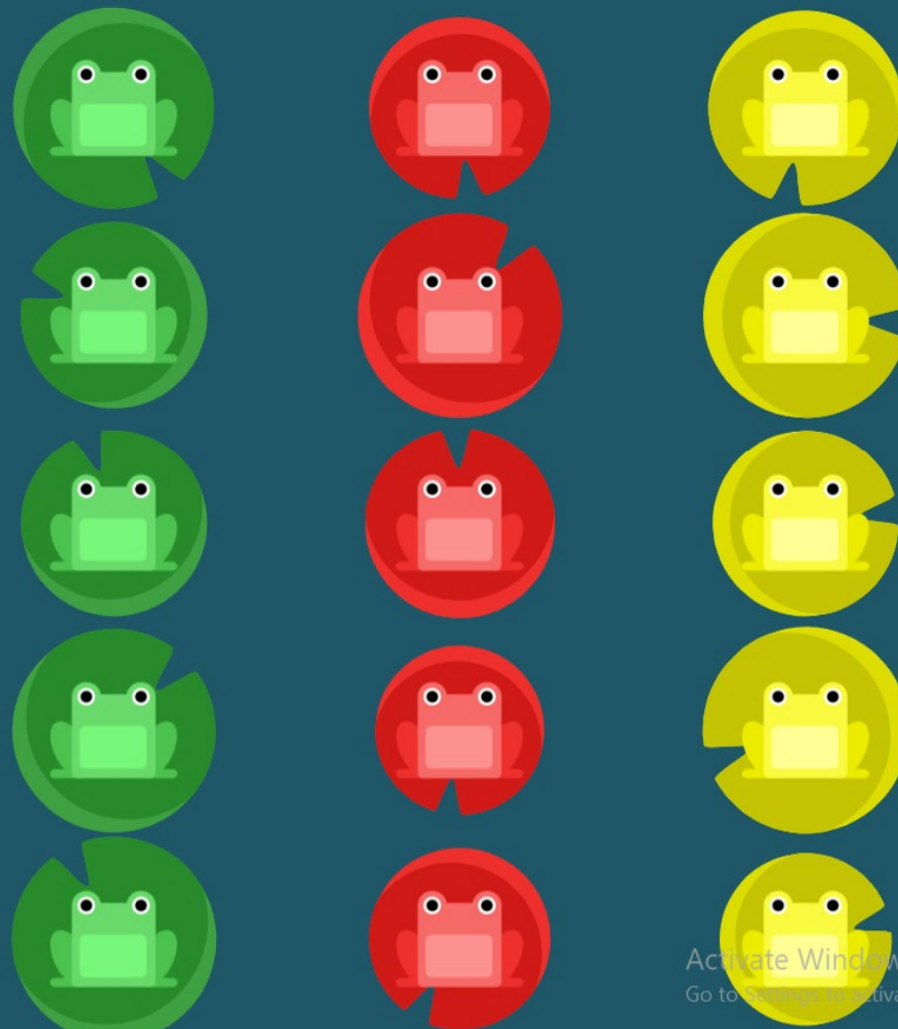
Help this army of frogs form three orderly columns using a combination of `flex-direction` and `flex-wrap`.

```
1 #pond {  
2   display: flex;  
3   flex-direction: column;  
4   flex-wrap: wrap;  
5 }
```

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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.

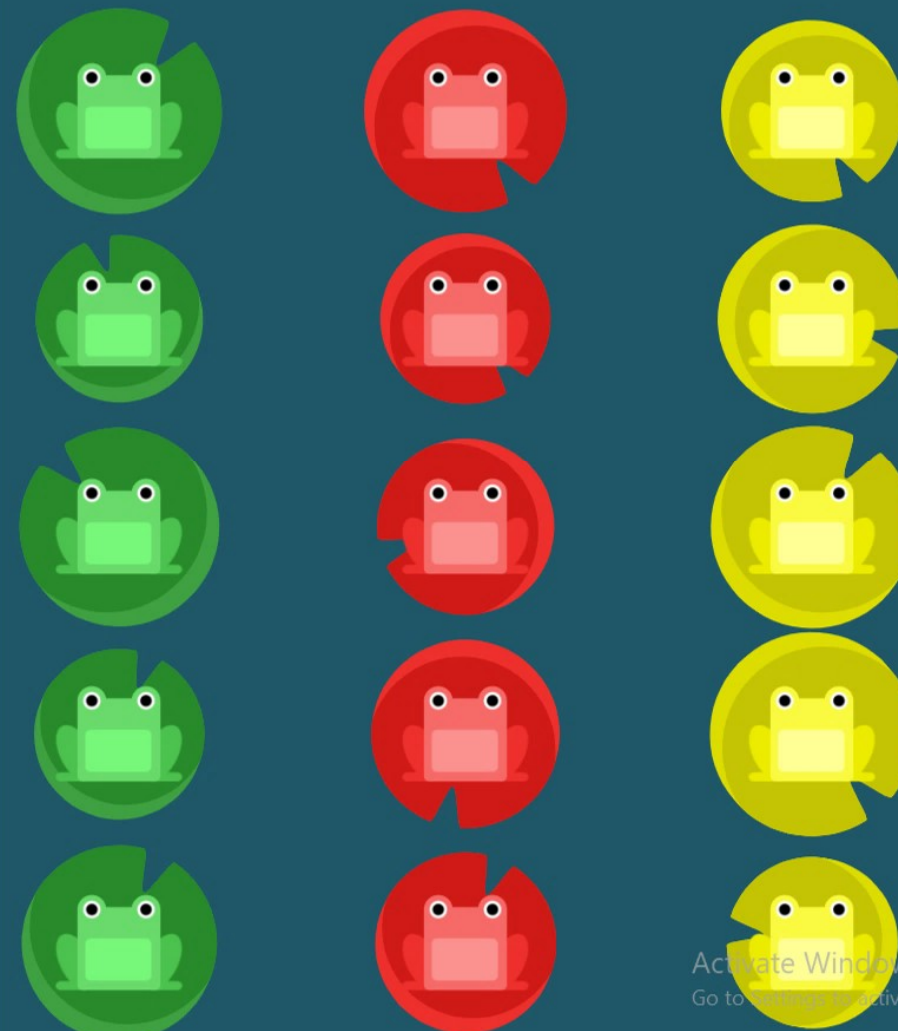
Try using `flex-flow` to repeat the previous level.

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

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FLEXBOX FROGGY

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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
```

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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
```

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The frogs have had a party, but it is time to go home. Use a combination of `flex-direction` and `align-content` to get them to their lilypads.

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

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FLEXBOX FROGGY

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Bring the frogs home one last time by using the CSS properties you've learned:

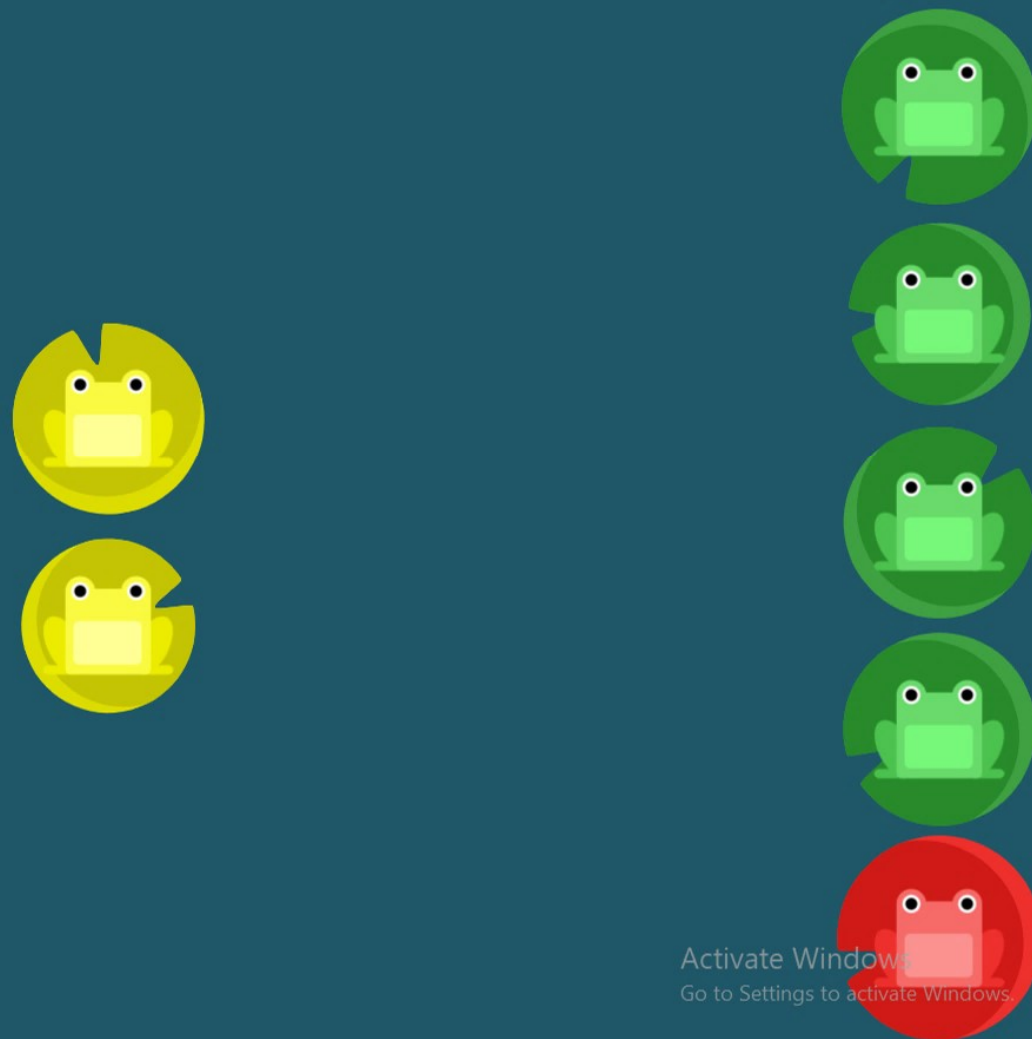
- `justify-content`
- `align-items`
- `flex-direction`
- `order`
- `align-self`
- `flex-wrap`
- `flex-flow`
- `align-content`

```
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
```

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