FLEXBOX FROGGY

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

FLEXBOX FROGGY

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

FLEXBOX FROGGY

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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FLEXBOX FROGGY

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

FLEXBOX FROGGY

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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FLEXBOX FROGGY

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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FLEXBOX FROGGY

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  }
6
7
8
9
10
```

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FLEXBOX FROGGY

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
```

Next

FLEXBOX FROGGY

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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FLEXBOX FROGGY

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    justify-content: flex-end;
4    flex-direction: row-reverse;
5  }
6
7
8
9
10
```

Next

FLEXBOX FROGGY

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    justify-content: flex-end;
4    flex-direction: column;
5  }
6
7
8
9
10
```

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FLEXBOX FROGGY

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
```

Next

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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                                                Next
10
```

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FLEXBOX FROGGY

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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FLEXBOX FROGGY

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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FLEXBOX FROGGY

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
```

Next

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FLEXBOX FROGGY

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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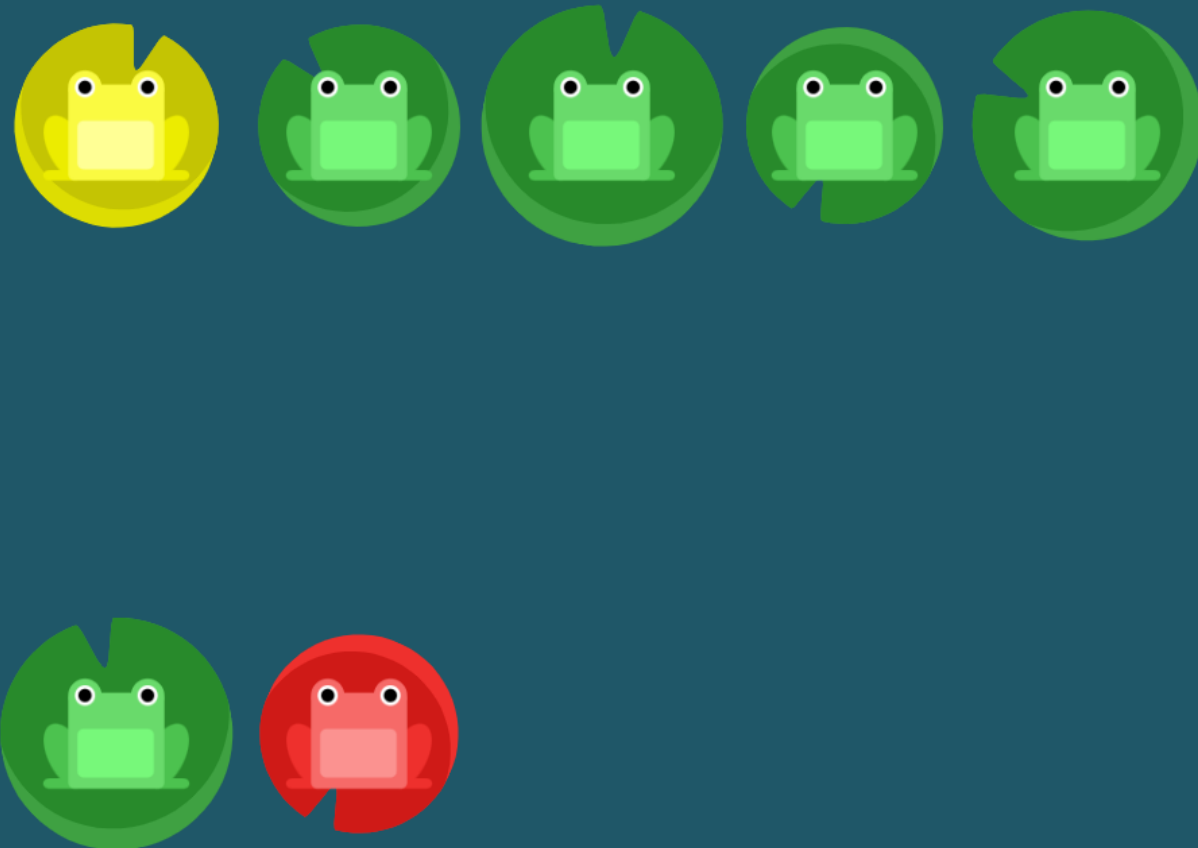Want to learn CSS grid? Play Grid Garden.

FLEXBOX FROGGY

Oh no! The frogs are all squeezed onto a single row of lilypads. 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
```
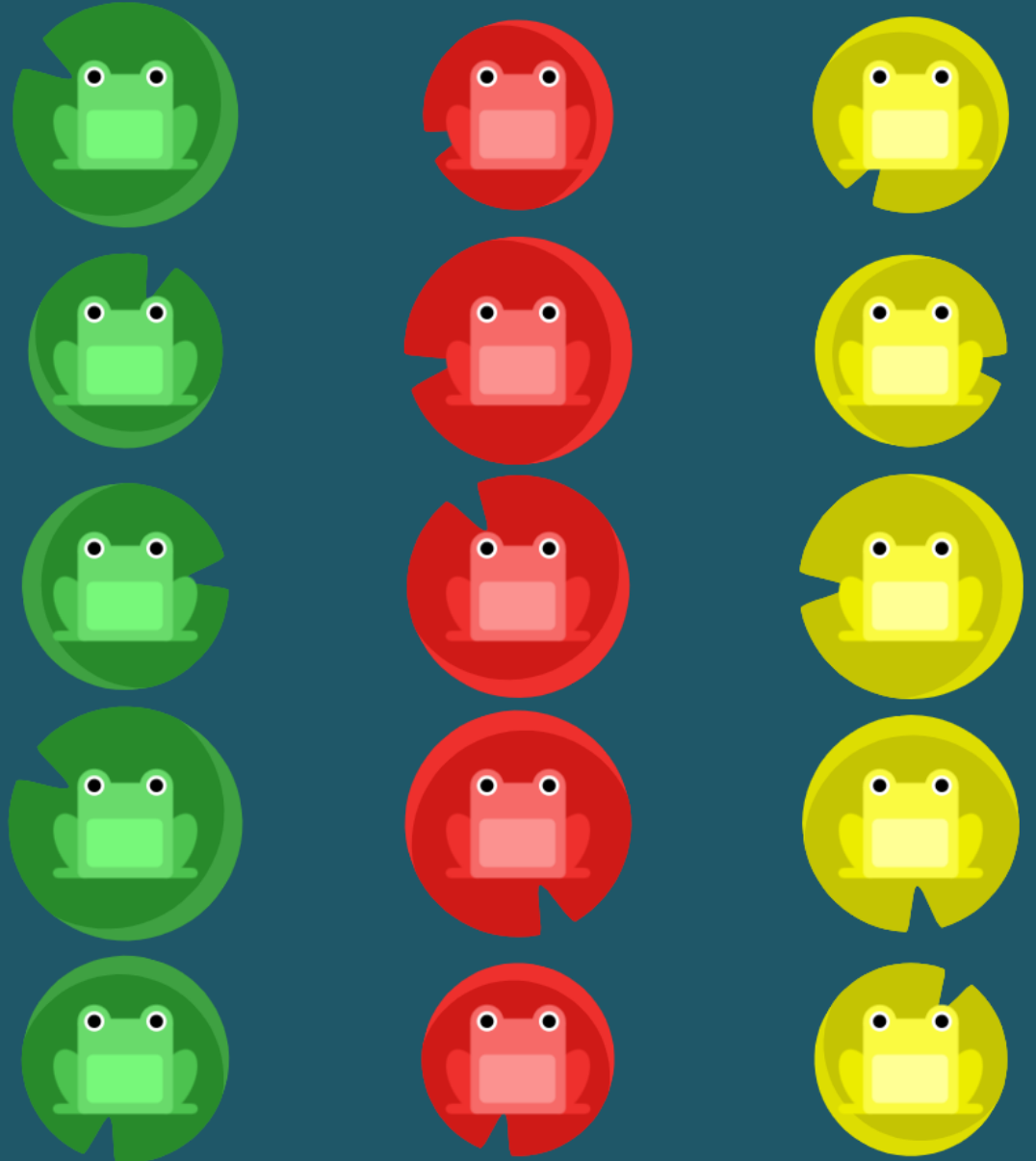
Next

FLEXBOX FROGGY

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  }
6
7
8
9
10
```

Next

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FLEXBOX FROGGY

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
```

Next

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FLEXBOX FROGGY

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

FLEXBOX FROGGY

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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FLEXBOX FROGGY

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  }
7
8
9
10
```

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FLEXBOX FROGGY

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    justify-content: center;
4    flex-direction: column-reverse;
5    flex-wrap: wrap-reverse;
6    align-content: space-between;
7  }
8
9
10
```

Next

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