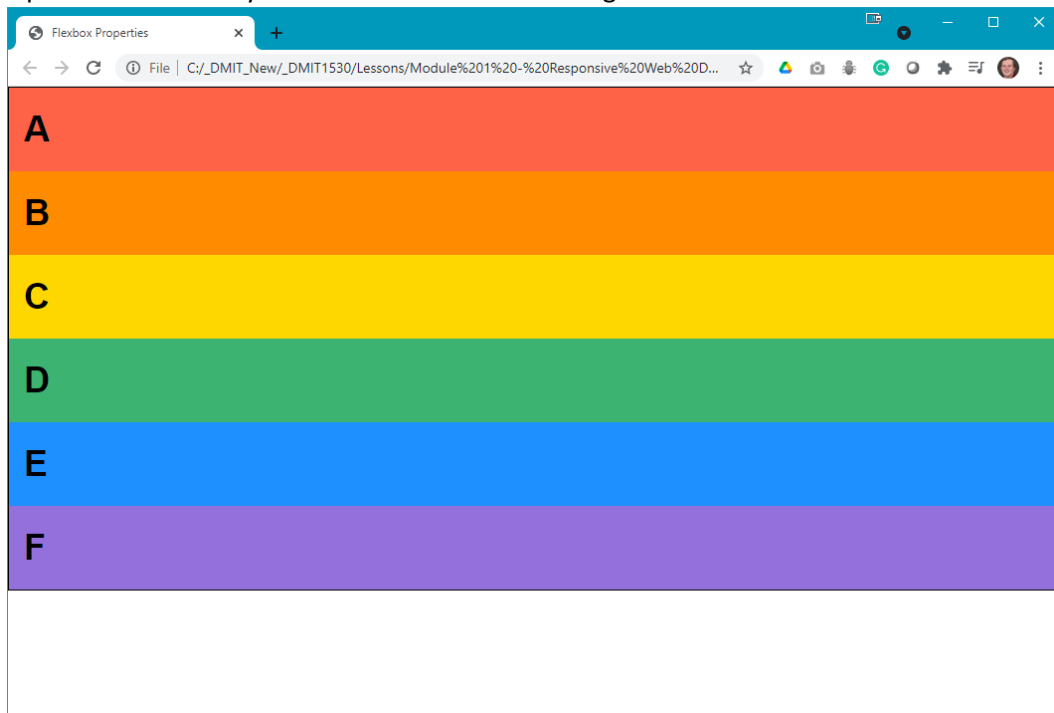# Flexbox I – Walkthrough Instructions
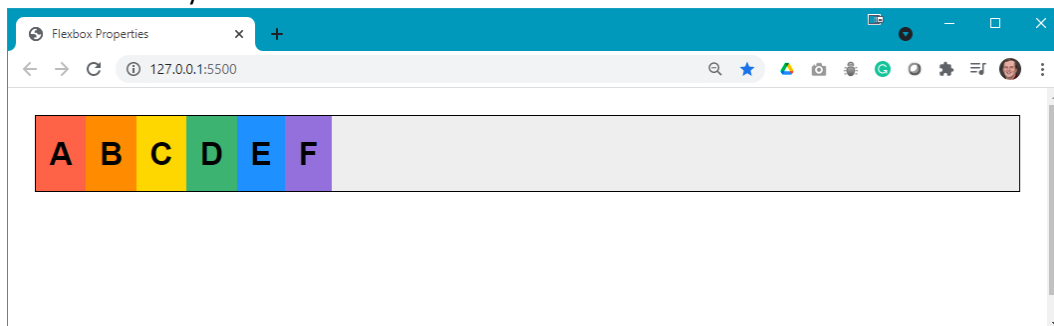
Demo Instructions

You can follow along with your instructor to complete this build and/or you can use this document as a guide in completing the demo build.

Steps

1. Download the **demo-flexbox-content.zip** file from Moodle and extract its contents to a folder named **demo-flexbox-content**.
2. Open **index.html** in your browser to see something like:

3. The first result you need looks like:
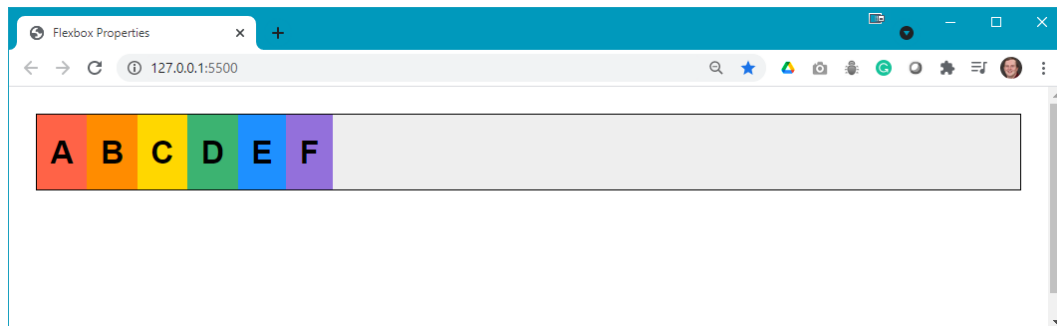
4. In your code editor examine the code below:

```html
<ul class="flex">
    <!-- <li class="a">Let's make some happy little clouds in our world.
    Be sure it's odorless or you'll be working by yourself. A half a hair
    and some air. Let's build us a little cloud. I lived in Alaska for
    many, many years.</li> -->
    <li class="a">A</li>
    <li class="b">B</li>
    <li class="c">C</li>
    <li class="d">D</li>
    <li class="e">E</li>
    <li class="f">F</li>
</ul>
```

5. Examine the code in **styles.css** and notice that there is no `.flex` class style rule created.
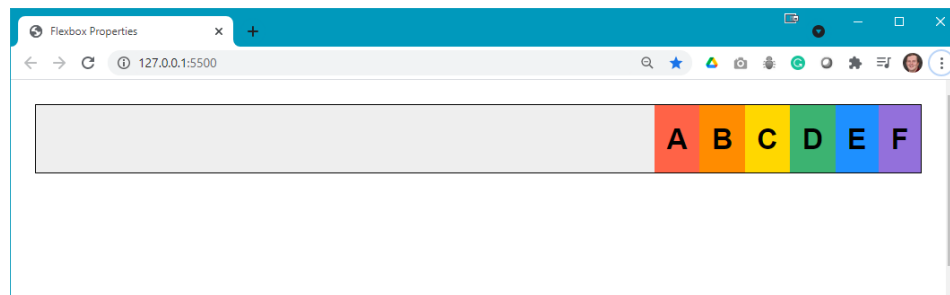Therefore, add the following rule, save, and refresh your browser:

```css
/* **************************** flexbox **************** */
ul.flex {
    /* Flexbox responds to the content and their width first and then it
    distributes the left over space. Add extra text to the first li to demonstrate
    this.*/
    display: flex;

    /* The justify-content property allows us to distribute the leftover space on
    the main axis (x-axis). Flex-start is the default value.*/
    justify-content: flex-start;
}
```
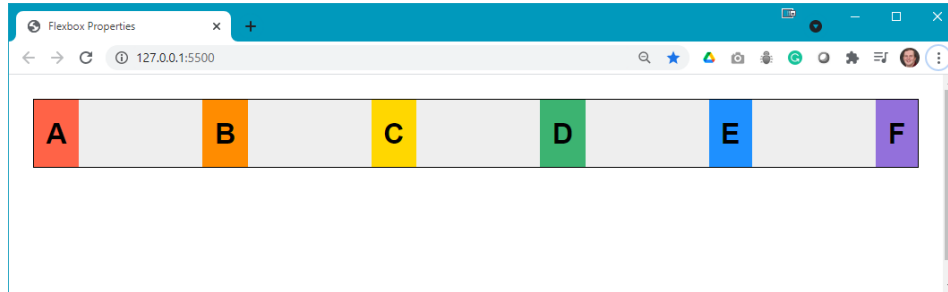
You should now see:

6. Now you can change the `justify-content` to different values:
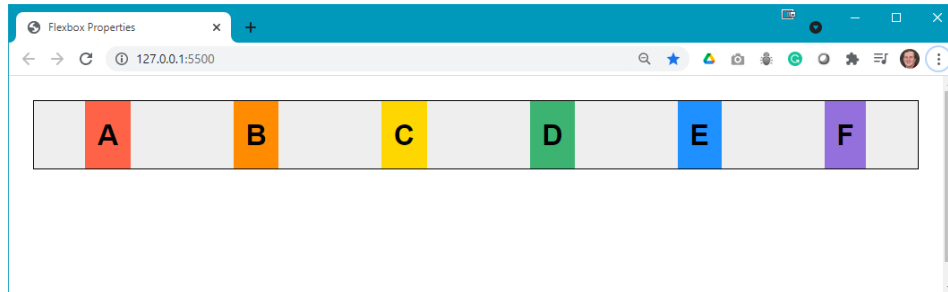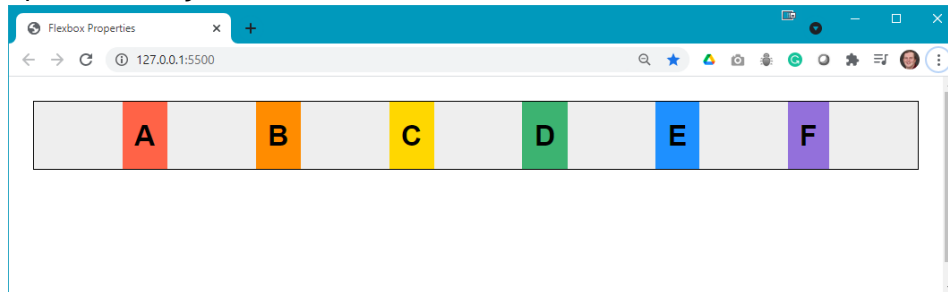   a. `flex-end`:

b. `center`:

c. `space-between`:

d. `space-around`:

e. `space-evenly`:

7. The next flexbox property is `align-items` which allows the distribution on the cross axis (y-axis). Reset the `justify-content` to `flex-start` and add the following code to the class
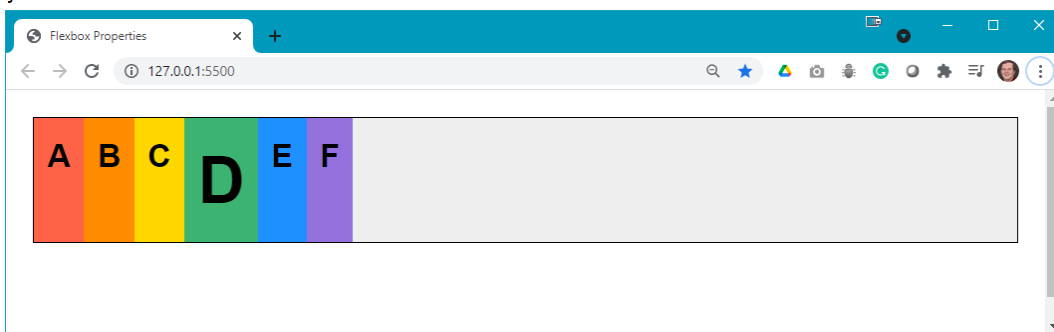
(justify-content: flex-start; is shown only for reference to where this code goes):

```
/* The justify-content property allows us to distribute the leftover space on
the main axis (x-axis). Flex-start is the default value.*/
justify-content: flex-start;

/* The align items property allows the distribution of space on the cross axis
(y-axis). The tallest items defines the hieght of the whole row and all other
items stretch to fit. Therefore the default value is stretch. Add a larger
font size to one item to demonstrate this.*/
align-items: stretch;
```
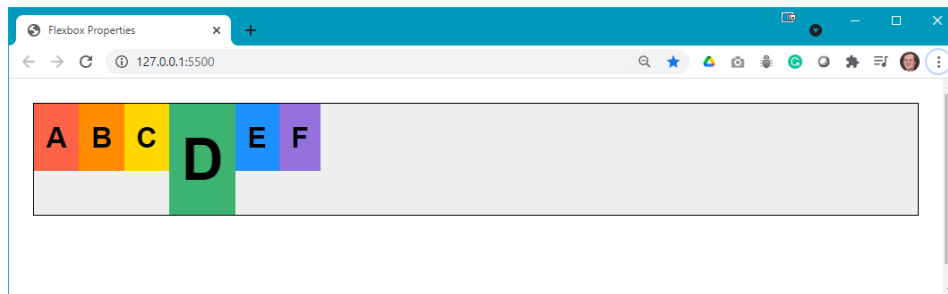
8. As the result is the same as was shown in step 5, make the following change in your stylesheet before displaying the result in your browser:

```
.d {
    background-color: ■#3cb371;
    font-size: 72px;
}
```
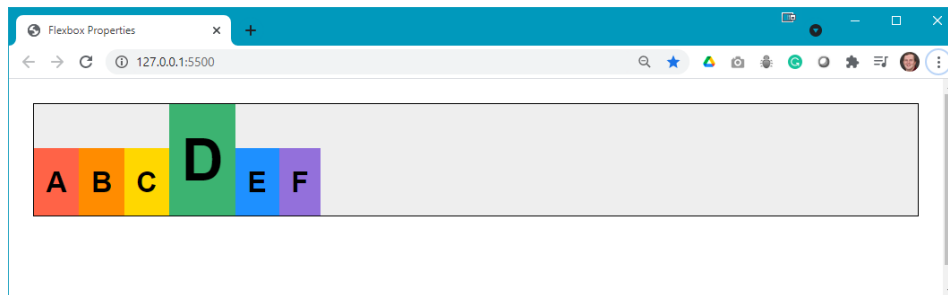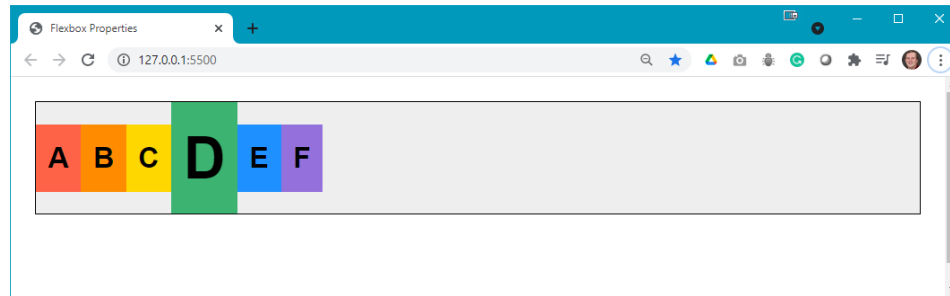

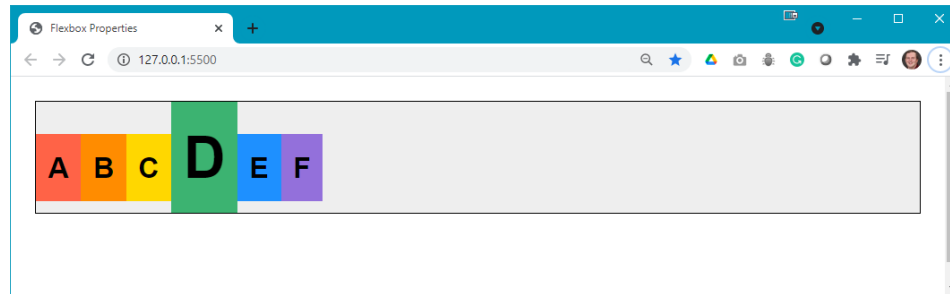9. Now examine the other values for `align-items`:

a. `flex-start`:

b. `flex-end`:

c. `center:`

d. `baseline:`

Question: What is the difference between `center` and `baseline`?

Summary

More properties of flexbox will be demonstrated in the next demo.