

# What I have added

HTML:

```
<label>
  <input type="checkbox" id="sortCheckbox"> Sort by Population (Low to High)
</label>
```

CSS:

```
label {
  display: flex;
  margin-top: 8%;
}
```

Script:

```
// Check if the checkbox is checked
const sortCheckbox = document.getElementById('sortCheckbox');
if (sortCheckbox.checked) {
  // Sort by population in ascending order
  matchArray.sort((a, b) => a.population - b.population);
}
```

```
// Add event listener for checkbox change
const sortCheckbox = document.getElementById('sortCheckbox');
sortCheckbox.addEventListener('change', displayMatches);
```

As an extra feature, I have added a checkbox labeled "Sort by Population (Low to High)" to the original code. When you check this box, the cities and states that appear as you type will be sorted based on their population, from the smallest to the largest.

So, if you want to see the places with fewer people first, just check the box, and the magic sorting will happen automatically as you type in the search box. If you uncheck the box, the cities and states will be displayed in their regular order without any sorting based on population.

## Update

I have added an HTML title as I received feedback that it was not clear that you can only Type in U.S. States and Cities.

HTML:

```
<h1>U.S. Cities and States filter</h1>
```

CSS:

```
h1 {  
  margin: 0;  
  text-align: center;  
  outline: 0;  
  position: relative;  
  z-index: 2;  
  color: cornsilk;  
  text-shadow: 2px 2px 4px rgba(0, 0, 0, 0.5);  
}
```