

```
<!DOCTYPE html>
```

```
<head>
```

```
<script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
```

```
<title>jQuery Example | vtucode</title>
```

```
<style>
```

```
body {
```

```
font-family: 'Roboto', sans-serif;
```

```
background-color: #f4f7f6;
```

```
margin: 0;
```

```
padding: 0;
```

```
display: flex;
```

```
justify-content: center;
```

```
align-items: center;
```

```
height: 100vh;
```

```
}
```

```
.container {
```

```
text-align: center;
```

```
background: #fff;
```

```
padding: 30px;
```

```
border-radius: 12px;
```

```
box-shadow: 0 4px 20px rgba(0, 0, 0, 0.1);
```

```
transition: transform 0.3s ease-in-out;
```

```
}
```

```
.container:hover {
```

```
transform: scale(1.02);
```

```
}
```

```
#paragraph {
```

```
margin-bottom: 20px;  
color: #333;  
font-size: 18px;  
line-height: 1.5;  
}
```

```
#list {  
margin-bottom: 20px;  
list-style: none;  
padding: 0;  
}
```

```
#list li {  
background: #e8f0fe;  
margin: 5px 0;  
padding: 10px;  
border-radius: 8px;  
transition: background 0.3s;  
}
```

```
#list li:hover {  
background: #d0e2fe;  
}
```

```
.box {  
padding: 0 10px;  
width: 100px;  
height: 100px;  
background-color: #007bff;  
margin: 20px auto;  
line-height: 100px;
```

```
color: white;
text-align: center;
border-radius: 8px;
transition: all 0.3s ease;
}
```

```
button {
padding: 12px 24px;
margin: 10px;
cursor: pointer;
border: none;
border-radius: 6px;
font-size: 16px;
background: #007bff;
color: white;
transition: box-shadow 0.3s, transform 0.2s;
box-shadow: 0 4px 10px rgba(0, 0, 0, 0.1);
}
```

```
button:hover {
box-shadow: 0 0 2px #fff, 0 0 4px #007bff;
}
```

```
button:focus {
box-shadow: 0 0 2px #fff, 0 0 4px #007bff;
}
```

```
button:active {
background: #004494;
transform: translateY(0);
}
```

```
</style>

</head>

<body>

  <div class="container">

    <p id="paragraph">This is an existing paragraph.</p>

    <ul id="list">

      <li>List item 1</li>

      <li>List item 2</li>

    </ul>

    <div class="box" id="box">Animate me!</div>

    <button id="appendButton">Append Content</button>

    <button id="animateButton">Animate Box</button>

  </div>

  <script>

    $(document).ready(function () {

      $("#appendButton").click(function () {

        $("#paragraph").append(" Appended text.");

        $("#list").append("<li>New appended list item</li>");

      });

      $("#animateButton").click(function () {

        $("#box").stop(true, true).css({

          width: "100px",

          height: "100px",

          opacity: 1,

          backgroundColor: "blue"

        }).animate({
```

```
        width: "200px",
        height: "200px",
        opacity: 0.5
    }, 1000, function () {

        $(this).css("background-color", "green");
    });
});
});

</script>
</body>

</html>
```