

**Develop jQuery script (with HTML/CSS) for:**

- a. Appends the content at the end of the existing paragraph and list.**
- b. Change the state of the element with CSS style using animate() method**
- c. Change the color of any div that is animated.**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <title>jQuery Script Tasks</title>
  <link rel="stylesheet" href="styles.css">
  <script src="https://code.jquery.com/jquery-3.6.0.min.js"></script>
  <style>
    body { font-family: Arial, sans-serif; margin: 20px; }
    p, ul, div { margin: 10px 0; padding: 10px; }
    p, ul li { color: #333; }
    .box { width: 100px; height: 100px; background-color: #f4f4f4; }
  </style>
</head>
<body>

  <h2>Append Content</h2>
```

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

```
<ul id="list">
```

```
  <li>Item 1</li>
```

```
  <li>Item 2</li>
```

```
</ul>
```

```
<button id="appendBtn">Append Content</button>
```

```
<h2>Animate Element</h2>
```

```
<div class="box" id="animateBox"></div>
```

```
<button id="animateBtn">Animate Box</button>
```

```
<script>
```

```
  $(document).ready(function() {
```

```
    let itemCount = $('#list li').length; // Initialize with the current number  
    of items in the list
```

```
    // Append content to paragraph and list with a unique item number
```

```
    $('#appendBtn').click(() => {
```

```
      itemCount++; // Increment the item number
```

```
      $('#para').append(` Appended text ${itemCount}.`);
```

```
      $('#list').append(`<li>Item ${itemCount}</li>`);
```

```
    });
```

```
  });
```

```
// Animate element and change color

$('#animateBtn').click(() => {
    $('#animateBox').css({ width: '100px', height: '100px',
'background-color': '#f4f4f4' }) // Reset properties
    .animate({ width: '150px', height: '150px' }, 500, function() {
        $(this).css('background-color', 'lightblue');
    });
});

</script>
</body>
</html>
```