EXPERIMENT 2.2

AIM:

Dynamic Product Filter with Dropdown using JavaScript DOM Manipulation

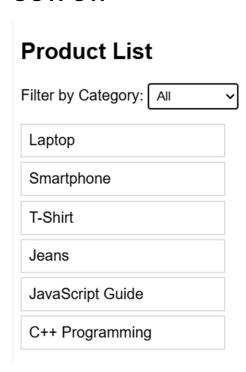
CODE:

```
<!DOCTYPE html>
<html>
<head>
  <title>Dynamic Product Filter</title>
  <style>
    body {
      font-family: Arial, sans-serif;
    }
    select {
      padding: 5px;
      margin-bottom: 10px;
    }
    .product {
      margin: 5px 0;
      padding: 8px;
      border: 1px solid #ccc;
      width: 200px;
    }
 </style>
</head>
<body>
  <h2>Product List</h2>
  <label for="category">Filter by Category:</label>
  <select id="category">
```

```
<option value="all">All</option>
  <option value="electronics">Electronics</option>
  <option value="clothing">Clothing</option>
  <option value="books">Books</option>
</select>
<div id="product-list">
  <div class="product" data-category="electronics">Laptop</div>
  <div class="product" data-category="electronics">Smartphone</div>
  <div class="product" data-category="clothing">T-Shirt</div>
  <div class="product" data-category="clothing">Jeans</div>
  <div class="product" data-category="books">JavaScript Guide</div>
  <div class="product" data-category="books">C++ Programming</div>
</div>
<script>
  const dropdown = document.getElementById('category');
  const products = document.querySelectorAll('.product');
  dropdown.addEventListener('change', function () {
    const selected = dropdown.value;
    products.forEach(product => {
      if (selected === 'all' || product.dataset.category === selected) {
        product.style.display = 'block';
      } else {
        product.style.display = 'none';
      }
    });
 });
</script>
```

```
</body>
```

OUTPUT:



Product List



Product List



Product List

