_____EXPERIMENT-3_____

HTML

```html
<select id="filter">
  <option value="all">All Products</option>
  <option value="electronics">Electronics</option>
  <option value="clothing">Clothing</option>
</select>

<div id="products-container"></div>
```

JavaScript

```javascript
const products = [
  { name: "Laptop", category: "electronics", price: 999 },
  { name: "Shirt", category: "clothing", price: 25 },
  { name: "Headphones", category: "electronics", price: 199 }
];

document.getElementById('filter').addEventListener('change', (e) => {
  const selected = e.target.value;
  const filtered = selected === 'all' ? products : products.filter(p =>
p.category === selected);
  renderProducts(filtered);
});

function renderProducts(products) {
  const container = document.getElementById('products-container');
  container.innerHTML = products.map(p => `
    <div class="product">
      <h3>${p.name}</h3>
      <p>$${p.price}</p>
    </div>
  `).join('');
}
```