

```
<!DOCTYPEhtml>

<html lang="en">

<head>

  <meta charset="UTF-8">

  <title>Product Catalog</title>

  <style>

    body{

      font-family:Arial,sans-serif;

      padding: 20px;

      background-color:#f4f4f4;

    }

    h1{

      color: #333;

    }

    .filters{

      margin-bottom: 20px;

    }

    label{

      margin-right: 10px;

    }
```

```
input, select, button {  
    margin-right: 15px;  
    padding: 5px;  
}
```

```
ul {  
    list-style-type: none;  
    padding: 0;  
}
```

```
li {  
    background: #fff;  
    margin-bottom: 10px;  
    padding: 10px;  
    border-left: 5px solid #007BFF;  
}
```

```
</style>
```

```
</head>
```

```
<body>
```

```
<h1>🛒 Product Catalog</h1>
```

```
<div class="filters">
```

```
  <label for="category">Category:</label>
```

```
<select id="category">
```

```
<option value="All">All</option>
```

```
<option value="Electronics">Electronics</option>
```

```
<option value="Fashion">Fashion</option>
```

```
<option value="Education">Education</option>
```

```
</select>
```

```
<label for="maxPrice">Max Price:</label>
```

```
<input type="number" id="maxPrice" placeholder="Enter max  
price">
```

```
<button onclick="applyFilters()">Filter</button>
```

```
</div>
```

```
<ul id="productList"></ul>
```

```
<script>
```

```
const products = [
```

```
{ name: "Laptop", category: "Electronics", price: 50000 },
```

```
{ name: "Shoes", category: "Fashion", price: 2000 },
```

```
{ name: "Smartphone", category: "Electronics", price: 30000 },
```

```
{ name: "T-shirt", category: "Fashion", price: 500 },
```

```
{ name: "Book", category: "Education", price: 300 }
```

```
];
```

```
function applyFilters() {  
    const category = document.getElementById("category").value;  
    const maxPrice =  
    parseInt(document.getElementById("maxPrice").value);  
    const list = document.getElementById("productList");  
    list.innerHTML = "";  
  
    let filtered = products;  
  
    if (category !== "All") {  
        filtered = filtered.filter(p => p.category === category);  
    }  
  
    if (!isNaN(maxPrice)) {  
        filtered = filtered.filter(p => p.price <= maxPrice);  
    }  
  
    filtered.forEach(product => {  
        const item = document.createElement("li");  
        item.textContent = ` ${product.name} - ₹ ${product.price}  
        (${product.category}) ` ;  
        list.appendChild(item);  
    });  
}
```

```
}
```

```
//Initial load
```

```
applyFilters();
```

```
</script>
```

```
</body>
```

```
</html>
```