**Exercise 1: Array Filtering**

**Task: Create a function called filterEvenNumbers that filters an array of numbers**

**and returns a new array containing only the even numbers.**

* **Hint: Use a for loop to iterate through the array and**

**the modulus operator to check for even numbers.**

**Exercise 2: Product and Pricing Integration**

**Task: Given two arrays of objects, create functions to perform the following tasks:**

***const* data1 = [**

**{ id: 133, name: "Laptop" },**

**{ id: 25, name: "Smartphone" },**

**{ id: 34, name: "Tablet" }**

**];**

***const* data2 = [**

**{ id: 133, price: 100 },**

**{ id: 25, price: 40 },**

**{ id: 34, price: 300 },**

**{ id: 50, price: 260 },**

**{ id: 110, price: 50 },**

**];**

1. **Define an array called ids that contains the IDs from the first array (data1).**
2. **Create a new array called products that includes objects containing id, name, and price for the products with IDs found in the ids array. Use the second array (data2) to get the price.**
3. **Sort the products array by price in ascending order.**

**- Hint: Google Search: array of object js sort asc**