

2634. Filter Elements from Array

Description

Given an integer array `arr` and a filtering function `fn`, return a filtered array `filteredArr`.

The `fn` function takes one or two arguments:

- `arr[i]` - number from the `arr`
- `i` - index of `arr[i]`

`filteredArr` should only contain the elements from the `arr` for which the expression `fn(arr[i], i)` evaluates to a **truthy** value. A **truthy** value is a value where `Boolean(value)` returns `true`.

Please solve it without the built-in `Array.filter` method.

Example 1:

```
Input: arr = [0,10,20,30], fn = function greaterThan10(n) { return n > 10; }
Output: [20,30]
Explanation:
const newArray = filter(arr, fn); // [20, 30]
The function filters out values that are not greater than 10
```

Example 2:

```
Input: arr = [1,2,3], fn = function firstIndex(n, i) { return i === 0; }
Output: [1]
Explanation:
fn can also accept the index of each element
In this case, the function removes elements not at index 0
```

Example 3:

```
Input: arr = [-2,-1,0,1,2], fn = function plusOne(n) { return n + 1 }
Output: [-2,0,1,2]
Explanation:
Falsy values such as 0 should be filtered out
```

Constraints:

- `0 <= arr.length <= 1000`
- `-109 <= arr[i] <= 109`

