**Array Searching Methods :**

**1. Find First Even Number**

**Problem:**  
Find the first even number in the array.

**Sample Input:**

const arr = [1, 3, 5, 4, 2];

**Expected Output:**

4

### ****2. Find Top Scorer****

**Problem:**  
Find the first student with marks above 90.

**Sample Input:**

const students = [

{ name: "A", marks: 85 },

{ name: "B", marks: 92 },

{ name: "C", marks: 88 },

];

**Expected Output:**

{ name: "B", marks: 92 }

### ****3. Find First Long String****

**Problem:**  
Find the first string longer than 5 characters.

**Sample Input:**

const strings = ["hi", "hello", "sunshine", "world"];

**Expected Output:**

sunshine

### ****4. First Negative Index****

**Problem:**  
Find index of first negative number.

**Sample Input:**

const nums = [3, 5, -2, 8];

**Expected Output:**

2

### ****5. Fruit with Name Length > 6****

**Problem:**  
Find index of fruit with name longer than 6 characters.

**Sample Input:**

const fruits = ["apple", "banana", "pineapple", "kiwi"];

**Expected Output:**

2

### ****6. First Active User Index****

**Problem:**  
Find index of first user with isActive = true.

**Sample Input:**

const users = [

{ name: "John", isActive: false },

{ name: "Jane", isActive: true },

];

**Expected Output:**

1

### ****7. Find Last Odd Number****

**Problem:**  
Find the last odd number in the array.

**Sample Input:**

const nums = [2, 4, 6, 7, 8, 9];

**Expected Output:**

9

### ****8. Last Expensive Product****

**Problem:**  
Find the last product with price > 1000.

**Sample Input:**

const products = [

{ name: "Pen", price: 20 },

{ name: "Phone", price: 1200 },

{ name: "TV", price: 800 },

];

**Expected Output:**

{ name: "Phone", price: 1200 }

### ****9. Last String Starting with ‘c’****

**Problem:**  
Find the last string starting with ‘c’.

**Sample Input:**

const arr = ["apple", "banana", "cherry", "citrus", "grape"];

**Expected Output:**

Citrus

### ****10. Last Divisible by 3****

**Problem:**  
Find last index of a number divisible by 3.

**Sample Input:**

const numbers = [1, 3, 5, 6, 9];

**Expected Output:**

4

### ****11. Last Completed Task Index****

**Problem:**  
Find index of last task with done = true.

**Sample Input:**

const tasks = [

{ title: "A", done: false },

{ title: "B", done: true },

{ title: "C", done: true },

];

**Expected Output:**

2

### ****12. Last String Containing 'e'****

**Problem:**  
Find last index of string containing the letter e.

**Sample Input:**

const strings = ["dog", "elephant", "cat", "horse"];

**Expected Output:**

3