

```

//Create an empty array called fruits.
const fruits = []

//Populate the fruits array
fruits.push("apple", "banana", "cherry", "date", "elderberry");

//Print each fruit's name on a new line
for (let i = 0; i < fruits.length; i++) {
  console.log(fruits[i]);
}

//Add a new fruit with the name "fig" to the fruits array.
fruits[5] = 'fig';

//Check if the fruit "date" exists in the fruits array.
if (fruits.includes("date")) {
  console.log("Fruit found");
} else {
  console.log("Fruit not found");
}

//Remove the fruit "banana" from the fruits array if it exists.
if (fruits.includes("banana")) {
  const index = fruits.indexOf("banana")
  delete fruits[index]
}

//Sort the fruits array in alphabetical order and print the sorted list.
fruits.sort()
console.log(fruits)

```

The screenshot shows a web browser's developer console. The top bar includes tabs for 'Welcome', 'Elements', 'Console', 'Sources', 'Network', 'Performance', and 'Memory'. The 'Console' tab is selected, displaying a list of log messages. The messages are: 'apple', 'banana', 'cherry', 'date', 'elderberry', 'Fruit found', and an expanded array object. The array object is shown as `(6) ['apple', 'cherry', 'date', 'elderberry', 'fig', empty]` with a blue information icon. The expanded view shows the array's structure: `0: "apple", 1: "cherry", 2: "date", 3: "elderberry", 4: "fig", length: 6`, and `[[Prototype]]: Array(0)`. The console also shows the source file `u2-t3.html` and line numbers for each log message.

Log Message	Source
apple	u2-t3.html:15
banana	u2-t3.html:15
cherry	u2-t3.html:15
date	u2-t3.html:15
elderberry	u2-t3.html:15
Fruit found	u2-t3.html:23
(6) ['apple', 'cherry', 'date', 'elderberry', 'fig', empty]	u2-t3.html:36