

Aim: To find and print the indexes of characters that repeat in an array.

Algorithm:

1. Traverse the array with two nested loops.
2. For each element, compare it with subsequent elements.
3. If a match is found, print both indices.
4. Avoid printing duplicates by marking visited elements.

Code:

```
#include <stdio.h>

int main() {
    char arr[] = {'a', 'b', 'c', 'a', 'b', 'd'};
    int n = sizeof(arr) / sizeof(arr[0]);
    int visited[256] = {0}; // to mark characters already processed

    for (int i = 0; i < n; i++) {
        if (visited[(int)arr[i]] == 1) continue; // already handled
        for (int j = i + 1; j < n; j++) {
            if (arr[i] == arr[j]) {
                printf("Character '%c' repeated at indices %d and %d\n", arr[i], i, j);
                visited[(int)arr[i]] = 1;
            }
        }
    }

    return 0;
}
```

Input:

```
arr = {'a', 'b', 'c', 'a', 'b', 'd'}
```

Output:

```
Character 'a' repeated at indices 0 and 3
```

Character 'b' repeated at indices 1 and 4

Result:

Indexes of repeated characters printed successfully.