

Majority:

```
#include <stdio.h>
```

```
int findMajorityElement(int arr[], int n)
{
    int majorityCount = n / 2; // Calculate majority count
    for (int i = 0; i < n; i++)
    {
        int count = 0; // Count occurrences of arr[i]
        for (int j = 0; j < n; j++) {
            if (arr[i] == arr[j]) {
                count++;
            }
        }
        if (count > majorityCount) {
            return arr[i]; // Return if it's a majority
        }
    }
    return -1; // Return -1 if no majority found
}
```

```
int main() {
    int arr[] = {2, 2, 1, 1, 1, 2, 2};
    int n = sizeof(arr) / sizeof(arr[0]);

    int majorityElement = findMajorityElement(arr, n);

    if (majorityElement != -1) {
        printf("The majority element is: %d\n", majorityElement);
    } else {
```

```
    printf("No majority element exists.\n");  
}  
  
return 0;  
}
```