Majority Element

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#include <stdio.h>
int findMajorityElement(int arr[], int n) {
  int candidate = -1, count = 0;
  for (int i = 0; i < n; i++) {
    count += (arr[i] == candidate) ? 1 : (count == 0 ? (candidate = arr[i], 1) : -1);
  }
   count = 0;
  for (int i = 0; i < n; i++) {
    if (arr[i] == candidate) count++;
  }
  return (count > n / 2) ? candidate : -1;
}
int main() {
  int arr[100], n;
  // Input size and elements of array
  printf("Enter size of the array: ");
  scanf("%d", &n);
```

```
printf("Enter elements: ");
for (int i = 0; i < n; i++) {
    scanf("%d", &arr[i]);
}

// Find and print majority element
  int result = findMajorityElement(arr, n);
printf(result != -1 ? "Majority Element: %d\n" : "No Majority Element\n", result);
return 0;
}</pre>
```