10. majority elements:

```
#include <stdio.h>
int main() {
  int n;
  printf("Enter the number of elements: ");
  scanf("%d", &n);
  int arr[n];
  printf("Enter %d integers:\n", n);
  for (int i = 0; i < n; i++) {
    scanf("%d", &arr[i]);
  }
  int candidate = arr[0], count = 1;
  for (int i = 1; i < n; i++) {
    if (arr[i] == candidate) {
       count++;
    } else {
       count--;
       if (count == 0) {
         candidate = arr[i];
         count = 1;
       }
    }
  }
  count = 0;
```

```
for (int i = 0; i < n; i++) {
    if (arr[i] == candidate) {
        count++;
    }
    if (count > n / 2) {
        printf("Majority element: %d\n", candidate);
    } else {
        printf("Majority element: -1\n");
    }
    return 0;
}
```