

```

#include <iostream>
using namespace std;

int main() {
    //Question1: Most repeated element
    int arr[10] = { 4,5,3,4,5,5,9,2,3,1 };
    int maxcount = 0;
    int repeatedelem;
    for (int i = 0; i < 10; i++) {
        int count = 0;
        for (int j = 0; j < 8; j++) {
            if (arr[i] == arr[j])
                count++;
        }

        if (count > maxcount) {
            maxcount = count;
            repeatedelem = arr[i];
        }
    }

    cout << "The most repeated element is: " << repeatedelem << endl << " " <<
    "The number of times it is repeated: " << maxcount;

    //Question2
    int a[8] = { 13, 15, 17, 9, 99, 77,65,43 };
    int temp;
    for (int i = 0; i < 8; i++) {
        for (int j = i + 1; j < 8; j++) {
            if (a[i] > a[j]) {
                temp = a[i];
                a[i] = a[j];
                a[j] = temp;
            }
        }
    }
    cout << "The array is ";
    for (int k = 0; k < 8; k++) {
        cout << a[k] << " ";
    }
    cout << endl;
    cout << "The largest element is " << a[7] << " The smallest element is "
    << a[0];

    //Question3
    int arr1[5];
    int temp;
    cout << "Enter values for array of size 5: ";
    for (int x = 0; x < 5; x++) {
        cin >> arr1[x];
    }
    cout << endl;
    cout << "The array is: ";
    for (int u = 0; u < 5; u++) {
        cout << arr1[u] << " ";
    }
    cout << endl;
    temp = arr1[1];
    arr1[1] = arr1[3];
    arr1[3] = temp;

    cout << "The new array is: ";

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        for (int t = 0; t < 5; t++) {  
            cout << arr1[t] << " ";  
        }  
  
    }
```

Question1

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/tmp/L5CJk874tG.o
```

The most repeated element is: 4

The number of times it is repeated: 3

Question2

```
/tmp/L5CJk874tG.o
```

The array is 9 13 15 17 43 65 77 99

The largest element is 99 The smallest element is 9

Question3

```
/tmp/L5CJk874tG.o
```

Enter values for array of size 5: 8

3

5

6

9

The array is: 8 3 5 6 9

The new array is: 8 6 5 3 9