HOME TASK 1:

```cpp
#include<bits/stdc++.h>
using namespace std;
int main() {
    int arr[] = {3, 2, 3, 6, 2, 6, 6, 2, 6, 2};
    int n = sizeof(arr) / sizeof(arr[0]);
    int maxvalue = 0;
    int mostRepeatednumber;
    for (int i = 0; i < n; ++i) {
        int count = 1;
        for (int j = i + 1; j < n; ++j) {
            if (arr[i] == arr[j]) {
                ++count;
            }
        }
        if (count > maxvalue) {
            maxvalue = count;
            mostRepeatednumber = arr[i];
        }
        else if (count == maxvalue && arr[i] != mostRepeatednumber) {
            cout << arr[i] << " ";
        }
    }
    cout << mostRepeatednumber<<endl;
    return 0;
}
```

```
6 2is the most repeated element

Process returned 0 (0x0)   execution time : 0.049 s
Press any key to continue.
```

HOME TASK 2:

```cpp
#include<bits/stdc++.h>

using namespace std;

int main()

{

    int a[8] = {9,10,3,4,5,56,1,9,};

    int largest = a[0];

    int smallest = a[0];

    for (int i = 1; i < 8; ++i) {

        if (a[i] > largest) {

            largest = a[i];

        } else if (a[i] < smallest) {

            smallest = a[i];

        }

    }

    cout << "The largest number is: " << largest <<endl;

    cout << "The smallest nnumber is: " << smallest << endl;

    return 0;

}
```

```
"L:\HOME TASK 8\bin\Debug\HOME TASK 8.exe"
The largest number is: 56
The smallest nnumber is: 1

Process returned 0 (0x0)    execution time : 0.035 s
Press any key to continue.
```

HOME TASK 3:

```cpp
#include<bits/stdc++.h>

using namespace std;

int main()

{

  int temp=0;

  int arr[5]={1,2,3,4,5};

   temp=arr[1];

   arr[1]=arr[3];

   arr[3]=temp;

   for(int i=0;i<5;i++)

  cout<<arr[i];

   return 0;

}
```

```
14325
Process returned 0 (0x0)   execution time : 0.007 s
Press any key to continue.
```