Code :

```cpp
// Ques. 1) Program to find the largest element of a given array of integer

#include<iostream>
using namespace std;
int main()
{
int n, arr[n],i;
cout<<"Enter the no. of elements of array : ";
cin >> n;
cout<<"Enter elements of array : "<<endl;
for(i =0; i < n; i++)
{
cin >> arr[i];
}
int max = arr[0];
for(i= 1; i < n;i++)
{
if(arr[i] >= max)
{
    max = arr[i];
}
}
cout <<"Maximum element is : "<<max<< endl;
return 0;
}
```

```cpp
// Ques. 2) Program to find the largest three elements in an array

#include<bits/stdc++.h>
using namespace std;
int main(){
int n;
cout<<"Enter the no. of elements of array : ";
cin >> n;
int arr[n];
cout<<"Enter elements of array : "<<endl;
for(int i = 0; i < n; i++){
cin >> arr[i];
}
sort(arr, arr+n);
cout<<"Largest three elements are : ";
for(int i = n -1; i >= n - 3; i--){
cout<<arr[i]<<" ";
}
}
}
```

```cpp
// Ques. 3) Program to find second largest element in a given array of
integers

#include<bits/stdc++.h>
using namespace std;
int main(){
int n;
cout<<"Enter the no. of elements of array : ";
cin >> n;
int arr[n];
cout<<"Enter elements of array : "<<endl;
for(int i = 0; i < n; i++){
cin >> arr[i];
}
sort(arr, arr+n);
cout<<"Second largest element is : ";
cout << arr[n-2];
}
```

```cpp
// Ques. 4) Program to find k largest elements in a given array of integers

#include<bits/stdc++.h>
using namespace std;
int main(){
int n;
cout<<"Enter the no. of elements of array : ";
cin >> n;
int arr[n];
cout<<"Enter elements of array :";
for(int i = 0; i < n; i++)
{
cin >> arr[i];}
sort(arr, arr+n);
int k;
cout <<"Enter the value of K : " << endl;
cin >> k;
{
if(k <= n-1){
for(int i = n-1; i >= n-k; i--)
{cout << arr[i] <<" ";}
}
else
{
cout <<"You cannot print " << endl;
}}
}
```

```cpp
// Ques. 5) Program to find the most occurring element in an array of integers

#include<bits/stdc++.h>
using namespace std;
int main(){
int n;
cout<<"Enter the no. of elements of array : ";
cin >> n;
int arr[n];
cout<<"Enter elements of array : "<<endl;
for(int i = 0; i < n; i++){
cin >> arr[i];
}
int maxi = INT_MIN;
int count = 1;
int ele = arr[0];
sort(arr, arr+n);
for(int i=0; i<n-1; i++){
if(arr[i] == arr[i+1]){
count++;
maxi = max(maxi, count);
ele = arr[i];
}
else{
count = 1;
}
}
cout<<"count of maximum element is : " <<maxi<<endl;
cout<<"max element is : "<<ele<<endl;
}
```

```cpp
// Ques. 1) Program to find the largest element of a given array of
integer

#include<iostream>
using namespace std;
int main()
{
int n, arr[n],i;
cout<<"Enter the no. of elements of array : ";
cin >> n;
cout<<"Enter elements of array : "<<endl;
for(i =0; i < n; i++)
{
cin >> arr[i];
}
int max = arr[0];
for(i= 1; i < n;i++)
{
if(arr[i] >= max)
{
    max = arr[i];
}
}
cout <<"Maximum element is : "<<max<< endl;
return 0;
}
```

Terminal:
```
scode\c++> cd "c:\Users\Raghav
 Gupta\Desktop\myperfectice_ex
tension-main\myperfectice_exte
nsion-main\vscode\c++\" ; if (
$?) { g++ assignment1_ques1.cp
p -o assignment1_ques1 } ; if
($?) { .\assignment1_ques1 }
Enter the no. of elements of a
rray : 5
Enter elements of array :
6
7
8
1
3
Maximum element is : 8
PS C:\Users\Raghav Gupta\Deskt
op\myperfectice_extension-main
\myperfectice_extension-main\v
scode\c++>
```

Ln 10, Col 41   Spaces: 4   UTF-8   CRLF   C++   Go Live   Win32

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Screenshot 2 — assignment1_ques2.cpp

File Edit Selection View Go Run Terminal Help — assignment1_ques2.cpp - Untitled (Workspace) - Visual Studio Code

```cpp
// Ques. 2) Program to find the largest three elements in an array

#include<bits/stdc++.h>
using namespace std;
int main(){
int n;
cout<<"Enter the no. of elements of array : ";
cin >> n;
int arr[n];
cout<<"Enter elements of array : "<<endl;
for(int i = 0; i < n; i++){
cin >> arr[i];
}
sort(arr, arr+n);
cout<<"Largest three elements are : ";
for(int i = n -1; i >= n - 3; i--){
cout<<arr[i]<<" ";
}
}
```

Terminal:
```
scode\c++> cd "c:\Users\Raghav
 Gupta\Desktop\myperfectice_ex
tension-main\myperfectice_exte
nsion-main\vscode\c++\" ; if (
$?) { g++ assignment1_ques2.cp
p -o assignment1_ques2 } ; if
($?) { .\assignment1_ques2 }
Enter the no. of elements of a
rray : 5
Enter elements of array :
8
45
78
41
36
Largest three elements are : 7
8 45 41
PS C:\Users\Raghav Gupta\Deskt
op\myperfectice_extension-main
\myperfectice_extension-main\v
scode\c++>
```

Ln 8, Col 10   Spaces: 4   UTF-8   CRLF   C++   Go Live   Win32

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EXPLORER

nent1_ques1.cpp   assignment1_ques2.cpp   assignment1_ques3.cpp ✕

```cpp
// Ques. 3) Program to find second largest element in a given array of

#include<bits/stdc++.h>
using namespace std;
int main(){
    int n;
    cout<<"Enter the no. of elements of array : ";
    cin >> n;
    int arr[n];
    cout<<"Enter elements of array : "<<endl;
    for(int i = 0; i < n; i++){
    cin >> arr[i];
    }
    sort(arr, arr+n);
    cout<<"Second largest element is : ";
    cout << arr[n-2];
    }
```

TERMINAL

```
scode\c++> cd "c:\Users\Raghav
 Gupta\Desktop\myperfectice_ex
tension-main\myperfectice_exte
nsion-main\vscode\c++\" ; if (
$?) { g++ assignment1_ques3.cp
p -o assignment1_ques3 } ; if
($?) { .\assignment1_ques3 }
Enter the no. of elements of a
rray : 5
Enter elements of array :
86
41
25
67
84\
Second largest element is : 84
PS C:\Users\Raghav Gupta\Deskt
op\myperfectice_extension-main
\myperfectice_extension-main\v
scode\c++> 
```

Ln 10, Col 41   Spaces: 4   UTF-8   CRLF   C++   Go Live   Win32

File Edit Selection View Go Run Terminal Help

EXPLORER

ignment1_ques2.cpp   assignment1_ques3.cpp   assisgnment1_ques4.cpp ✕

```cpp
// Ques. 4) Program to find k largest elements in a given array of
    integers

#include<bits/stdc++.h>
using namespace std;
int main(){
    int n;
    cout<<"Enter the no. of elements of array : ";
    cin >> n;
    int arr[n];
    cout<<"Enter elements of array :";
    for(int i = 0; i < n; i++)
    {
    cin >> arr[i];}
    sort(arr, arr+n);
    int k;
    cout <<"Enter the value of K : " << endl;
    cin >> k;
    {
    if(k <= n-1){
    for(int i = n-1; i >= n-k; i--)
    {cout << arr[i] <<" ";}
    }
    else
    {
    cout <<"You cannot print " << endl;
    }}
    }
```

TERMINAL

```
scode\c++> cd "c:\Users\Raghav
 Gupta\Desktop\myperfectice_ex
tension-main\myperfectice_exte
nsion-main\vscode\c++\" ; if (
$?) { g++ assisgnment1_ques4.c
pp -o assisgnment1_ques4 } ; i
f ($?) { .\assisgnment1_ques4
}
Enter the no. of elements of a
rray : 5
Enter elements of array :84
74
79
25
61
Enter the value of K :
3
84 79 74
PS C:\Users\Raghav Gupta\Deskt
op\myperfectice_extension-main
\myperfectice_extension-main\v
scode\c++> 
```

Ln 18, Col 2   Spaces: 4   UTF-8   CRLF   C++   Go Live   Win32

```cpp
// Ques. 5) Program to find the most occurring element in an array of

#include<bits/stdc++.h>
using namespace std;
int main(){
    int n;
    cout<<"Enter the no. of elements of array : ";
    cin >> n;
    int arr[n];
    cout<<"Enter elements of array : "<<endl;
    for(int i = 0; i < n; i++){
    cin >> arr[i];
    }
    int maxi = INT_MIN;
    int count = 1;
    int ele = arr[0];
    sort(arr, arr+n);
    for(int i=0; i<n-1; i++){
    if(arr[i] == arr[i+1]){
    count++;
    maxi = max(maxi, count);
    ele = arr[i];
    }
    else{
    count = 1;
    }
    }
    cout<<"count of maximum element is : " <<maxi<<endl;
    cout<<"max element is : "<<ele<<endl;
}
```

Terminal:
```
scode\c++> cd "c:\Users\Raghav
 Gupta\Desktop\myperfectice_ex
tension-main\myperfectice_exte
nsion-main\vscode\c++\" ; if (
$?) { g++ assignment1_ques5.cp
p -o assignment1_ques5 } ; if
($?) { .\assignment1_ques5 }
Enter the no. of elements of a
rray : 5
Enter elements of array :
63
63
45
47
63
count of maximum element is :
3
max element is : 63
PS C:\Users\Raghav Gupta\Deskt
op\myperfectice_extension-main
\myperfectice_extension-main\v
scode\c++>
```