Array

Q1- Wrp to short given un-shorted array.

Ans1-

```
#include<iostream>
using namespace std;
void selectionSort(int a[], int n)
{
  int i, j, min, temp;
  for (i = 0; i < n - 1; i++)
{
    min = i;
    for (j = i + 1; j < n; j++)
      if (a[j] < a[min])
        min = j;
        temp = a[i];
        a[i] = a[min];
        a[min] = temp;
  }
}
int main()
{
  int a[] = { 10,53,45,26,54,21,35,25,46,15 };
```

```
  int n = sizeof(a)/ sizeof(a[0]);
  int i;
  cout<<" array is:"<<endl;
  for (i = 0; i < n; i++)
  cout<< a[i] <<" ";
  cout<<endl;
  selectionSort(a, n);
  printf("\nSorted array is: \n");
  for (i = 0; i < n; i++)
  cout<< a[i] <<" ";
  return 0;
}
```

Q2- Wrpto find the largest element given an array.

Ans2-

```
#include<iostream>
using namespace std;
int largestnum (int num[], int a)
{
 return *maximum_element(num, num + a);
}
int main()
{
 int nums[] = {,4,5,6, 8,9,10};
```

```
  int a = sizeof(num) / sizeof(num[0]);
    cout << " array is:";
    for (int i=0; i < n; i++)
    cout << num[i] <<" ";
  cout << "\nLargest element given array is: "<< largestnum(num, a);
  return 0;
}
```