Virtual Lab :



Name : Shreejita Nandkishor Bhadane
Batch : T2
Roll no. : 22
PR Name Selection Sort

**************************************************************************
INPUT
**************************************************************************


```cpp
#include <iostream>
using namespace std;
void Selectionsort(int arr[], int n)
{
int i, j, min;
for(i=0; i<n-1; i++)
{
min=i;
for(j=i+1; j<n; j++){
if(arr[j] < arr[min]){
min=j;

}
}
int temp = arr[min];
arr[min] = arr[i];
arr[i] = temp;
```

```cpp
}
}
int main()
{
int n,i;
cout<<"Enter the no of elements : "<<endl;
cin>>n;
int arr[n];
cout<<"Enter the elements:- "<<endl;
for(i=0; i<n; i++){
cout<<i+1<<") ";
cin>>arr[i];
}
Selectionsort(arr, n);
cout<<"\nAfter sorting elements are - "<<endl;
cout<<"In ascending order"<<endl;
for(i=0; i<n; i++){
cout<<i+1<<") ";
cout<<arr[i] <<" "<<endl;
}
return 0;
}
```

```
**************************************************************************
OUTPUT
**************************************************************************

Enter the no of elements :
4
Enter the elements:-
1) 1
2) 2
3) 3
4) 0

After sorting elements are -
In ascending order
1) 0
2) 1
3) 2
4) 3


...Program finished with exit code 0
Press ENTER to exit console.
```