

## PRACTICAL 5

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Batch: B2

```
#include<iostream>
using namespace std;
int n;
#define size 10
template<class T>
void sel(T A[size])
{
    int i,j,min;
    T 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;
        }
    }

    cout<<"\nSorted array:";
    for(i=0;i<n;i++)
```

```
{  
    cout<<" "<<A[i];  
}
```

```
};
```

```
int main()
```

```
{
```

```
    int A[size];
```

```
    float B[size];
```

```
    int i;
```

```
    cout<<"\nEnter Total no of Elements:"<<endl;
```

```
    cin>>n;
```

```
    cout<<"\nEnter int elements: "<<endl;
```

```
    for(i=0;i<n;i++)
```

```
    {
```

```
        cin>>A[i];
```

```
    }
```

```
    sel(A);
```

```
    cout<<"\nEnter total no of elements:"<<endl;;
```

```
    cin>>n;
```

```
    cout<<"\nEnter float elements:"<<endl;
```

```
    for(i=0;i<n;i++)
```

```
    {
```

```
        cin>>B[i];
```

```
    }
```

```
    sel(B);
```

```
}
```

```
d_comp_sli_17@d-comp-sli-17: ~  
d_comp_sli_17@d-comp-sli-17:~$ ./run  
Enter Total no of Elements:  
5  
  
Enter int elements:  
30  
60  
70  
90  
22  
  
Sorted array: 22 30 60 70 90  
Enter total no of elements:  
5  
  
Enter float elements:  
2.22  
6.66  
4.55  
8.88  
5.66
```