11 YASHRAJ DEEPAK DEVRAT

```cpp
#include<iostream>
using namespace std;
template<typename T>
void sort(T a[], int n)
{
 int min,temp, i;
 for (int i=0; i < n-1; i++)
 {
 min = i;
 for (int j=i+1; j < n; j++)
 {
 if (a[j] < a[min])
 min=j;
 }
 if (min != i)
 {
 temp = a[i];
 a[i] = a[min];
 a[min] = temp;
 }
 }
 //display sorted elements
 cout<<"\n Sorted elements are :\n";
 for(i=0;i<n; i++)
 cout<<"\t"<<a[i];
```

```cpp
}
int main()
{
int n,i;
int a[10];
float b[10];
cout<<"\n Selection sort using function template";
cout<<"\n Sorting int numbers";
cout<<"\n Enter how many number wanted to sort";
cin>>n;
for(i=0;i<n;i++)
cin>>a[i];
sort<int>(a, n);
cout<<"\n Sorting floating point numbers";
cout<<"\n Enter how many number wanted to sort";
cin>>n;
for(i=0;i<n;i++)
cin>>b[i];
sort<float>(b, n);
return 0;
}
```

```
C:\Users\yashraj\OneDrive\Desktop\OOP\project assignment 5.exe

Selection sort using function template
Sorting int numbers
Enter how many number wanted to sort5
2
56
32
75
86

Sorted elements are :
        2        32       56       75       86
Sorting floating point numbers
Enter how many number wanted to sort5
2.1
5.6
42.8
3.5
1.8

Sorted elements are :
        1.8      2        3.5      5        42
------------------------------
Process exited after 37.55 seconds with return value 0
Press any key to continue . . . _
```