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//=====
// Name      : OOPASS05FunTemp.cpp
// Author     : Sujal Gangarde
// Version    :
// Copyright   :
// Description : Hello World in C++, Ansi-style
//=====
```

```
#include<iostream>
using namespace std;
template<class T>
void create(T *p,int size)
{
    cout<<"Enter the elements of the array"<<endl;
    for(int i=0;i<size;i++)
    {
        cin>>p[i];
    }
}

template<typename T>
void show(T*p,int size)
{
    cout<<"The elements of the array are:"<<endl;
    for(int i=0;i<size;i++)
    {
        cout<<" "<<p[i];
    }
}

template<typename T>
void sort(T*arr,int size)
{
    int j,min;
    T temp;
    for(int i=0;i<size-1;i++)
    {
        min=i;
        for(j=i+1;j<size;j++)
        {
            if(arr[j]<arr[min])
            {
                min=j;
            }
        }
        temp=arr[i];
        arr[i]=arr[min];
        arr[min]=temp;
    }
}
```

```
int main()
{
    int size,size1;
    cout<<"Enter the size of the array"<<endl;
    cin>>size;
    int arr[size];
    cout<<"With integer array"<<endl;
    create(arr,size);
    show(arr,size);
    cout<<endl;
    cout<<"Selection sort:"<<endl;
    sort(arr,size);
    show(arr,size);
    cout<<endl;
    cout<<"With float array"<<endl;
    cout<<"Enter the size of the float array"<<endl;
    cin>>size1;
    float arr1[size1];
    create<float>(arr1,size1);
    show<float>(arr1,size1);
    cout<<endl;
    cout<<"Selection sort"<<endl;
    sort<float>(arr1,size1);
    show<float>(arr1,size1);
    return 0;
}
```