

20k-1031

Q1:

```
#include <iostream>
using namespace std;
template <class T>
T s(T &a,T &b){
    T temp;
    temp=a;
    a=b;
    b=temp;
}
int main(){
    int x=5,y=7;
    cout<<"Before function."<<endl;
    cout<<"\tx: "<<x<<endl;
    cout<<"\ty: "<<y<<endl;
    s(x,y);
    cout<<"After function."<<endl;
    cout<<"\tx: "<<x<<endl;
    cout<<"\ty: "<<y<<endl;
}
```

Q2:

```
#include <iostream>
using namespace std;
template <class T>
class find1
{
    public:
        T a[10];
        void search(const T s){
            for(int i=0;i<10;i++){
                if(a[i]==s){
                    cout<<s<<" found at index "<<i<<endl;
                }
            }
        }
}
```

```
};  
int main(){  
    find1<int> f;  
    f.a[0]=1;  
    f.a[1]=11;  
    f.a[2]=12;  
    f.a[3]=13;  
    f.a[4]=41;  
    f.a[5]=14;  
    f.a[6]=15;  
    f.a[7]=61;  
    f.a[8]=71;  
    f.a[9]=18;  
    int s;  
    cout<<"Enter element to find: "<<endl;  
    cin>>s;  
    f.search(s);  
}
```