Assignment 1

Implement the following two Template functions to find the min and max in array –

T find_min(T ARR[])

T find_max(T ARR[])

The above functions should be able to display the min and max of the following three arrays –

Int arrayInt[5] = {20, 4, 2, 38, 97};

Float arrayFloat[5] = {-9.9, 12.2, 3.1, 9.9, 8.9}

Chat arrayChar[5] = {'a', 'A', '/', '4', '-'}

Assignment 2

Write a function template to perform linear search in an array.

Assignment 3

Write a class template to represent a generic vector. Include the following member functions to perform the following task –

1. Create the vector
2. Modify the value of given element
3. Multiply by a scalar value
4. Display the vector in the form (10, 20, 30…..)

```cpp
#include <iostream>
using namespace std;

template<class T>
class DemoVector
{
    T *v;
    int size;
    public :
        //create member functions according to requirement
        //should have default constructor for memory allocation

};
```