**ASSIGNMENT 5 43**

#include<iostream>

using namespace std;

int n;

template <class T>

void sel(T A[10])

{

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[10];

float B[10];

int i;

cout<<"\nEnter total number of integer elements: ";

cin>>n;

cout<<"\nEnter integer elements: ";

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

{

cin>>A[i];

}

sel<int>(A);

cout<<"\nEnter total number of float elements: ";

cin>>n;

cout<<"\nEnter float elements: ";

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

{

cin>>B[i];

}

sel<float>(B);

}

**OUTPUT**

Enter total number of integer elements: 5

Enter integer elements: 24 09 57 94 31

Sorted array : 9 24 31 57 94

Enter total number of float elements: 7

Enter float elements: 92.09 24.99 81.24 33.33 65.18 57.01 7.77

Sorted array : 7.77 24.99 33.33 57.01 65.18 81.24 92.09