

Practical: 25 Define a function template for finding the minimum value contained in an array. Write main() function to find the minimum value of integer array and minimum value of floating point numbers in an array.

```
#include<iostream>

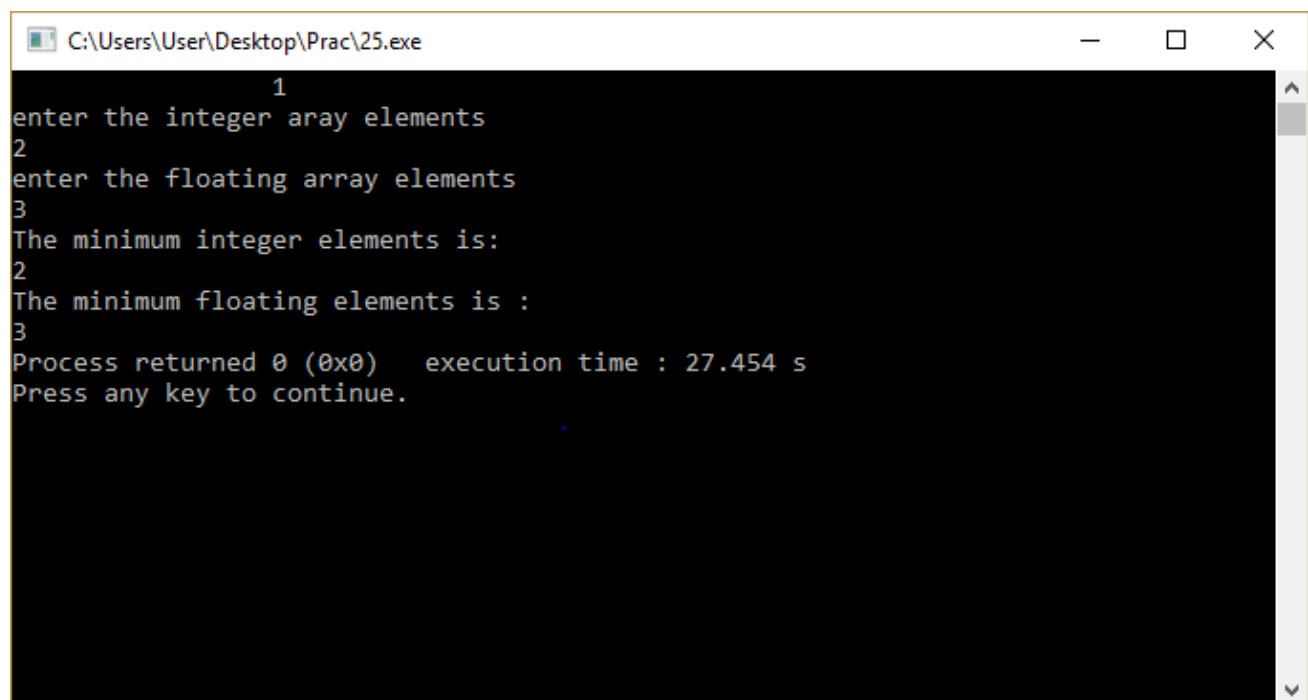
using namespace std;

template<class T>
T minimum(T a[],int size)
{
    T min=a[0];
    for(int i=0;i<size;i++)
    {
        if(a[i]<min)
            min=a[i];
    }
    return min;
}

int main()
{
    int a[10],size,i,min1;
    float b[10],min2;
    cout<<"enter the size value:\n";
    cin>>size;
    cout<<"enter the integer array elements\n";
    for(i=0;i<size;i++)
        cin>>a[i];
    cout<<"enter the floating array elements\n";
```

```
    for(i=0;i<size;i++)
    cin>>b[i];
    min1=minimum(a,size);
    min2=minimum(b,size);
    cout<<"The minimum integer elements is:\n";
    cout<<min1;
    cout<<"\nThe minimum floating elements is :\n";
    cout<<min2;
    return 0;
}
```

Output 25



```
C:\Users\User\Desktop\Prac\25.exe
1
enter the integer array elements
2
enter the floating array elements
3
The minimum integer elements is:
2
The minimum floating elements is :
3
Process returned 0 (0x0)   execution time : 27.454 s
Press any key to continue.
```