Implementation of Bubble Sort using Templates

i
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// Bubble Sort using Templates

#include<iostream.h>

#include<iomanip.h>

#include<conio.h>

template <class t>

class bubble

{

t a[25];

public:

```cpp
void get(int);

void sort(int);

void display(int);

};

template <class t>

void bubble <t>::get(int n)

{

int i;

cout<<"\nEnter the array elements:";

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

cin>>a[i];

}

template <class t>

void bubble <t>::display(int n)

{

int i;

cout<<"\n The sorted array is…\n";

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

cout<<a[i]<<setw(10);

}
```

```
template <class t>

void bubble <t>::sort(int n)

{

int i,j;

t temp;

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

{

for(j=i+1;j<n;j++)

{

if(a[i]>a[j])

{

temp=a[i];

a[i]=a[j];

a[j]=temp;

}

}

}

}

void main()

{
```

```
int n;

bubble<int> b1;

bubble<float> b2;

clrscr();

cout<<"\n Bubble Sort on Integer Values…";

cout<<"\n Enter the size of array:\n";

cin>>n;

b1.get(n);

b1.sort(n);

b1.display(n);

cout<<"\n Bubble Sort on Float Values…";

cout<<"\n Enter the size of array:\n";

cin>>n;

b2.get(n);

b2.sort(n);

b2.display(n);

getch();

}
```

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Categories: OOPS . Tags:CPP, OOP . Author: Roy Antony Arnold

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i want a c-program for downloading a file from http server

senthil

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