practical No:1

bubble_07.cpp

```cpp
#include <iostream>
#define MAX 200
using namespace std;

class abc{
public:
int arr[MAX];
int n;

void input();
void bubblesort();
void display();
};

void abc::input(){
cout<<"enter the number of elements you want to enter"<<endl;
cin>>n;
cout<<"Enter the elements in the array"<<endl;

for(int i=0;i<n;i++){
cin>>arr[i];
}

}

void abc::bubblesort()
{
for(int i=0;i<n;i++)
{
cout<<"PASS"<<" "<<i<<" ";
for(int k=0;k<n;k++)
{
cout<<arr[k]<<" ";
}
 for(int j=0;j<n-1;j++)
  {
    if(arr[j]>arr[j+1])
{
int temp;
temp=arr[j];
arr[j]=arr[j+1];
arr[j+1]=temp;
}
}
cout<<endl;
```
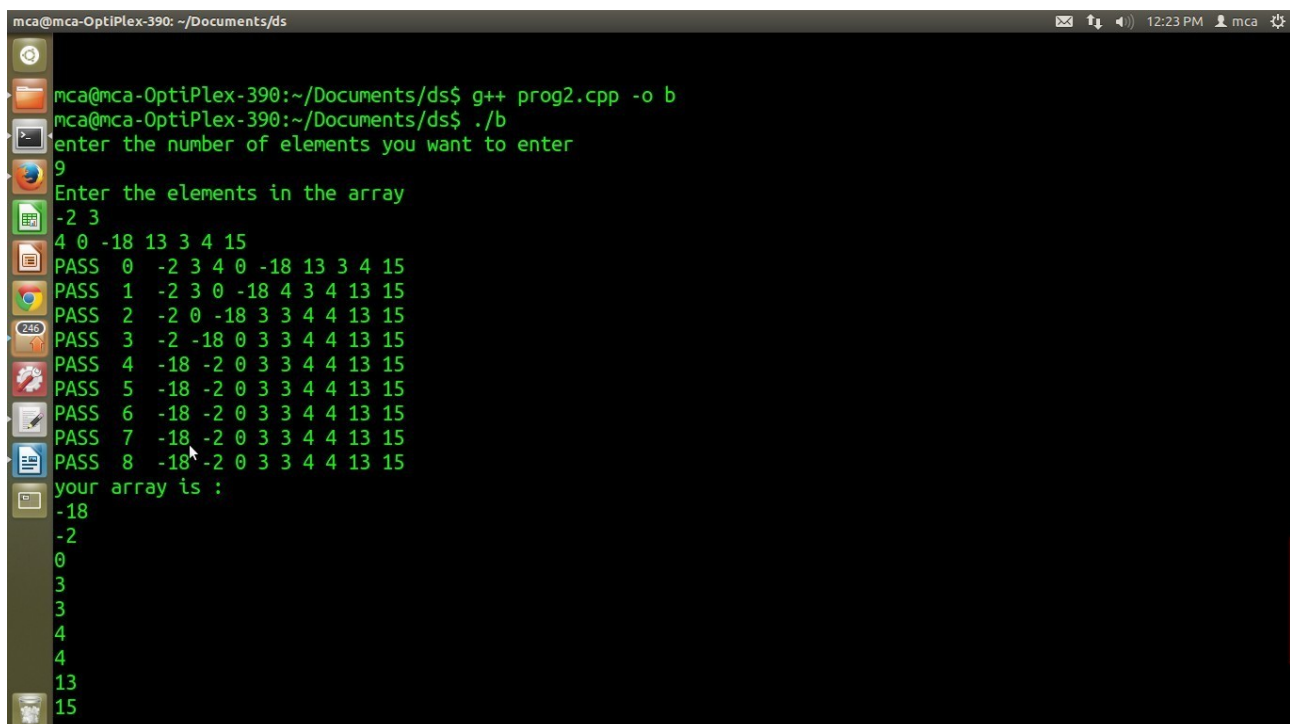
```cpp
}

}

void abc::display(){
cout<<"your array is :"<<endl;

for(int i=0;i<n;i++){
cout<<arr[i]<<endl;
}
}

int main()
{
abc c;

c.input();
c.bubblesort();
c.display();
return 0;
}
```

output: