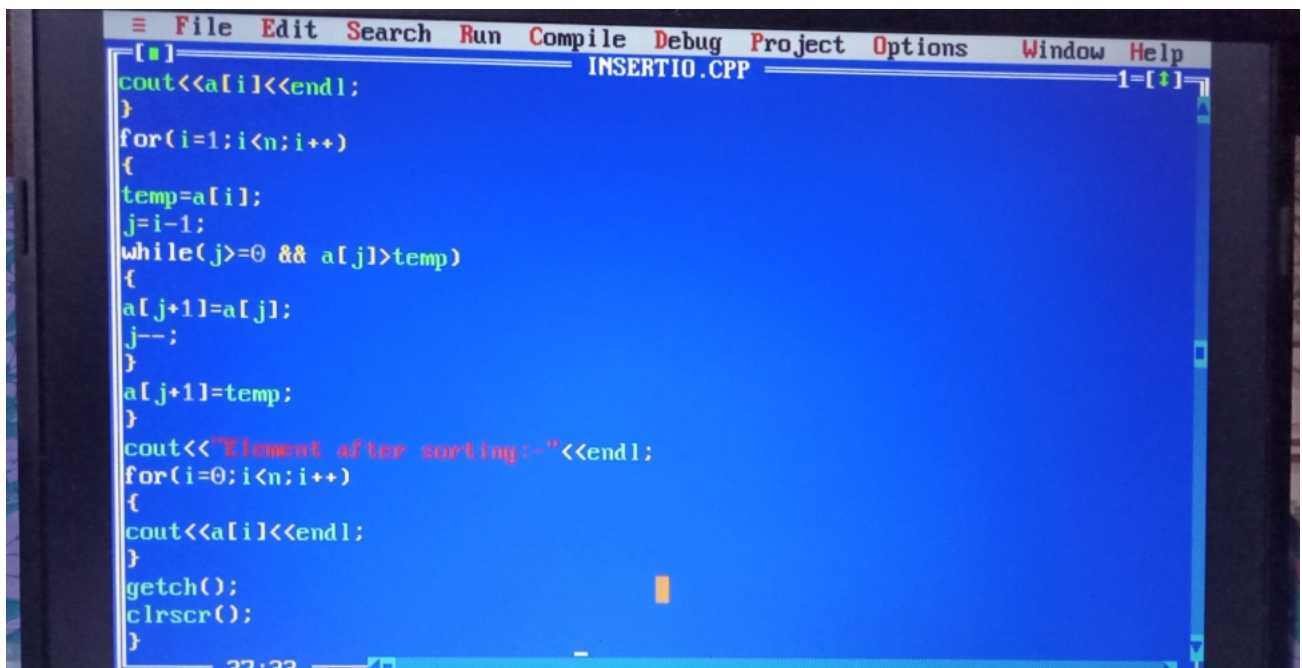


```
FILE Edit Search Run Compile Debug Project Options Window Help
INSERTIO.CPP 1=[1]
#include<iostream.h>
#include<conio.h>
void main()
{
    int i,j,temp,n;
    int a[50];
    cout<<"Enter the array size:-" ;
    cin>>n;
    cout<<"Enter the array element:-"<<endl;
    for(i=0;i<n;i++)
    {
        cin>>a[i];
    }
    cout<<"Element before sorting:-"<<endl;
    for(i=0;i<n;i++)
    {
        cout<<a[i]<<endl;
    }
    for(i=1;i<n;i++)
    {
        temp=a[i];
        while(a[i-1]>temp)
        {
            a[i]=a[i-1];
            i--;
        }
        a[i]=temp;
    }
}
```



The image shows a screenshot of a C++ IDE window titled "INSERTIO.CPP". The menu bar includes File, Edit, Search, Run, Compile, Debug, Project, Options, Window, and Help. The code is written in C++ and implements an Insertion Sort algorithm. It includes a loop for each element, a while loop to shift elements greater than the current element to the right, and a final loop to print the sorted array. The status bar at the bottom shows the line numbers 32 and 33.

```
[■] INSERTIO.CPP 1=[+]  
cout<<a[i]<<endl;  
}  
for(i=1;i<n;i++)  
{  
    temp=a[i];  
    j=i-1;  
    while(j>=0 && a[j]>temp)  
    {  
        a[j+1]=a[j];  
        j--;  
    }  
    a[j+1]=temp;  
}  
cout<<"Element after sorting:-"<<endl;  
for(i=0;i<n;i++)  
{  
    cout<<a[i]<<endl;  
}  
getch();  
clrscr();  
}
```

32:33

```
C:\TURBOC3\BIN>TC
Enter the array size:-
4
Enter the array element:-
6
13
32
14
Element before sorting:-
6
13
32
14
Element after sorting:-
6
13
14
32
```

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