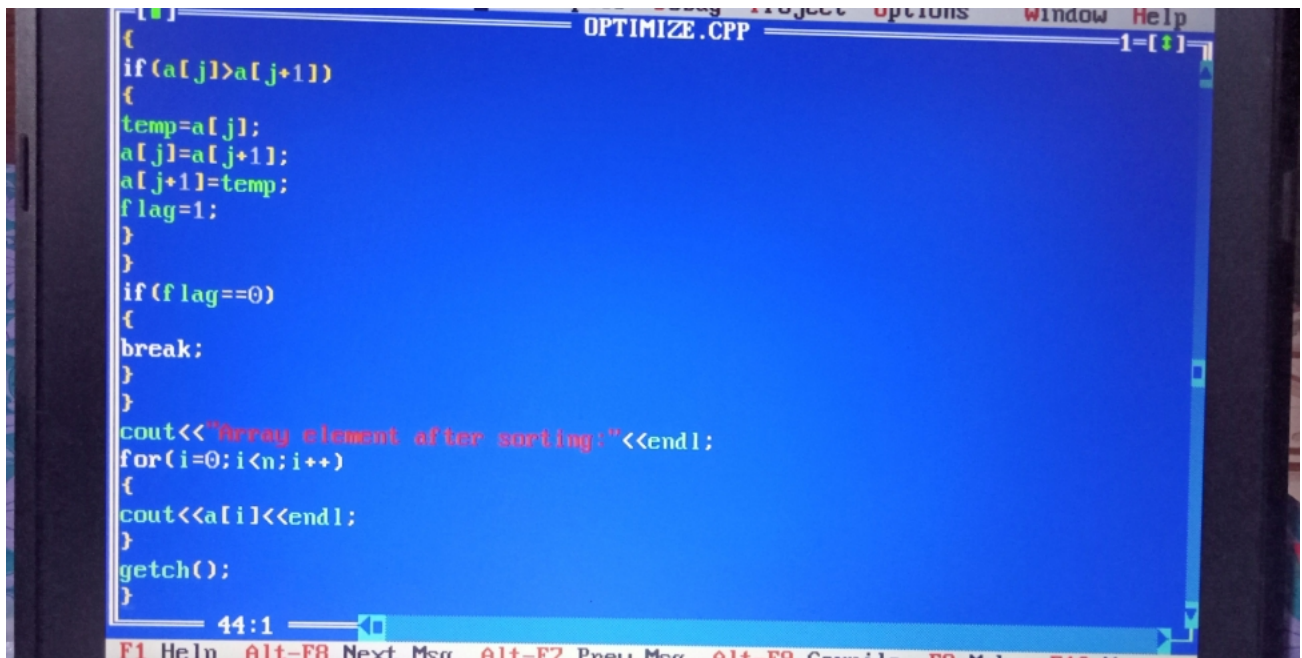


The image shows a screenshot of a Turbo C++ IDE. The menu bar at the top includes File, Edit, Search, Run, Compile, Debug, Project, Options, Window, and Help. The title bar indicates the file is 'OPTIMIZE.CPP'. The code editor contains the following C++ code:

```
#include<iostream.h>
#include<conio.h>
void main()
{
clrscr();
int i,j,temp,n;
int flag=0;
int a[50];
cout<<"Enter the size of array:"<<endl;
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=0;i<n-1;i++)
```

The status bar at the bottom displays function key shortcuts: F1 Help, Alt-F8 Next Msg, Alt-F7 Prev Msg, Alt-F9 Compile, F9 Make, and F10 Menu. The cursor is positioned at line 1, column 1.

```
[■] File Edit Compile Debug Project Options Window Help
OPTIMIZE.CPP 1-[■]
for(i=0; i<n; i++)
{
cout<<a[i]<<endl;
}
for(i=0; i<n-1; i++)
{
for(j=0; j<n-1-i; j++)
{
if(a[j]>a[j+1])
{
temp=a[j];
a[j]=a[j+1];
a[j+1]=temp;
flag=1;
}
}
if(flag==0)
{
break;
}
}
```

A screenshot of a C++ code editor window titled 'OPTIMIZE.CPP'. The code implements a bubble sort algorithm. It features a loop that iterates through an array 'a' from index 0 to n-1. Inside this loop, there is a 'flag' variable initialized to 1. A nested loop compares adjacent elements 'a[j]' and 'a[j+1]'. If 'a[j]' is greater than 'a[j+1]', they are swapped, and the 'flag' is set to 1. After the inner loop, if 'flag' is 0, a 'break;' statement is executed. Finally, the sorted array is printed using 'cout' and 'endl', and the program waits for a key press with 'getch()'. The status bar at the bottom shows '44:1' and various keyboard shortcuts like 'F1 Help', 'Alt-F8 Next', etc.

```
{
if (a[j]>a[j+1])
{
temp=a[j];
a[j]=a[j+1];
a[j+1]=temp;
flag=1;
}
}
if (flag==0)
{
break;
}
}
cout<<"Array element after sorting:"<<endl;
for(i=0;i<n;i++)
{
cout<<a[i]<<endl;
}
getch();
}
```

```
Enter the size of array:
5
Enter the array element:
12
34
14
32
34
Element before sorting:
12
34
14
32
34
Array element after sorting:
12
14
32
34
34
-
```

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