

Insertion Sort

```
#include <stdio.h>

#include <conio.h>


int main()

{

int i,j,key,k;

int a[5]={2,13,5,18,14};

clrscr();

for(j=2;j<=5;j++)

{

    key=a[j];

    i=j-1;

    while(i>0 && a[i]>key)

    {

        a[i+1]=a[i];

        i=i-1;

    }

    a[i+1]=key;

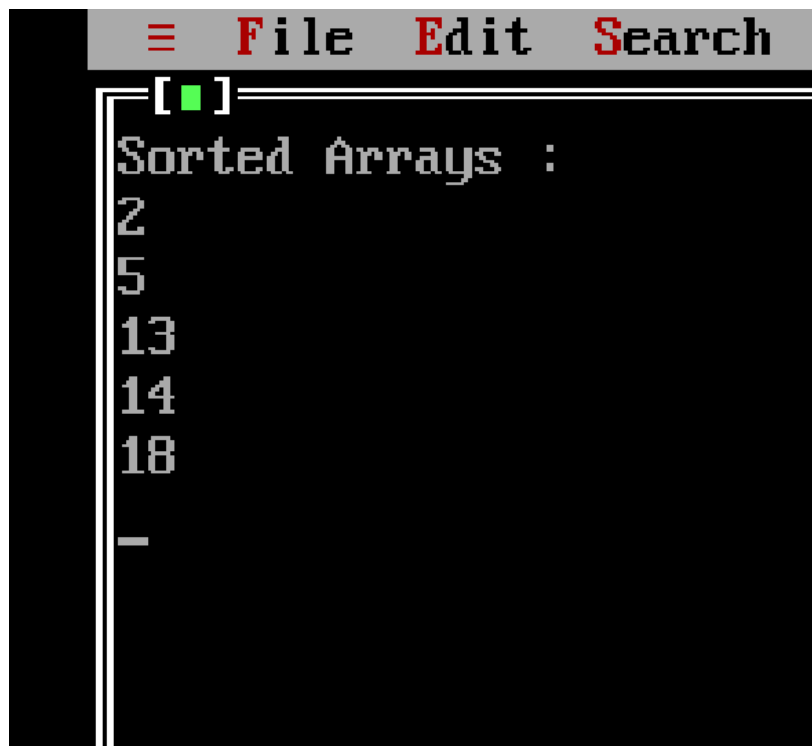
}


printf("Sorted Arrays : \n");

for(i=0 ; i<5 ; i++)

{
```

```
        printf("%d",a[i]);  
  
        printf("\n");  
    }  
    return 0;  
}
```

A screenshot of a C program's output. The window has a title bar with a menu icon and the words "File", "Edit", and "Search" in red. The main content area has a black background with white text. It starts with a green cursor icon followed by a closing square bracket "]", then the text "Sorted Arrays :". Below this, the numbers 2, 5, 13, 14, and 18 are listed vertically. At the bottom, there is a single hyphen character "-".

```
≡ File Edit Search  
[ ]  
Sorted Arrays :  
2  
5  
13  
14  
18  
-
```