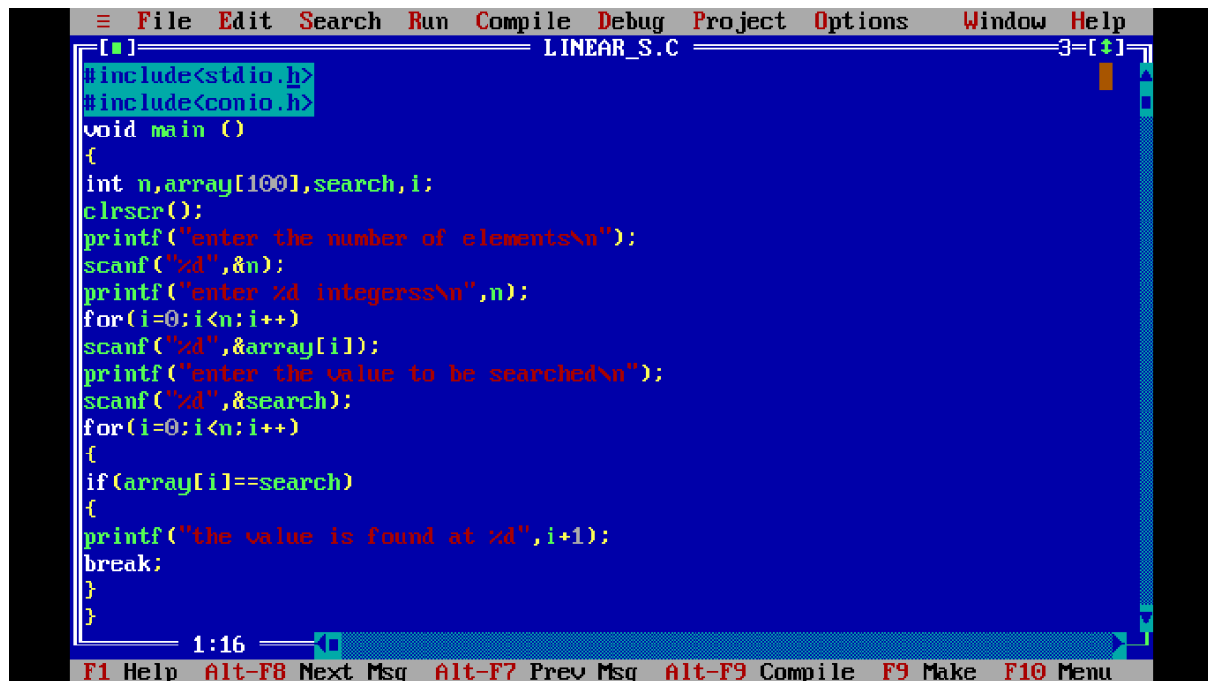
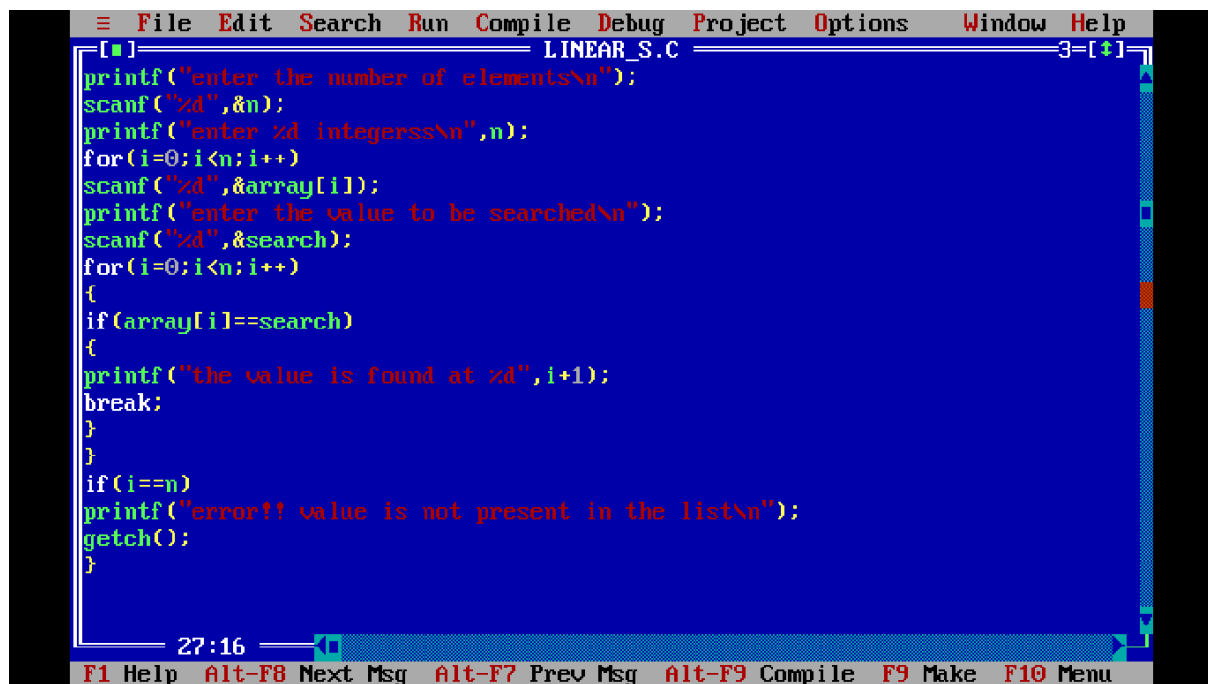


2.LINEAR SEARCH



```
File Edit Search Run Compile Debug Project Options Window Help
LINEAR_S.C
#include<stdio.h>
#include<conio.h>
void main ()
{
int n,array[100],search,i;
clrscr();
printf("enter the number of elements\n");
scanf("%d",&n);
printf("enter %d integers\n",n);
for(i=0;i<n;i++)
scanf("%d",&array[i]);
printf("enter the value to be searched\n");
scanf("%d",&search);
for(i=0;i<n;i++)
{
if(array[i]==search)
{
printf("the value is found at %d",i+1);
break;
}
}
}
1:16
F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg Alt-F9 Compile F9 Make F10 Menu
```



```
File Edit Search Run Compile Debug Project Options Window Help
LINEAR_S.C
printf("enter the number of elements\n");
scanf("%d",&n);
printf("enter %d integers\n",n);
for(i=0;i<n;i++)
scanf("%d",&array[i]);
printf("enter the value to be searched\n");
scanf("%d",&search);
for(i=0;i<n;i++)
{
if(array[i]==search)
{
printf("the value is found at %d",i+1);
break;
}
}
if(i==n)
printf("error!! value is not present in the list\n");
getch();
}
27:16
F1 Help Alt-F8 Next Msg Alt-F7 Prev Msg Alt-F9 Compile F9 Make F10 Menu
```

OUTPUT;

```
enter the number of elements
4
enter 4 integers
5
6
7
8
enter the value to be searched
7
the value is found at 3_
```

```
enter the number of elements
4
enter 4 integers
5
6
7
8
enter the value to be searched
9
error!! value is not present in the list
-
```