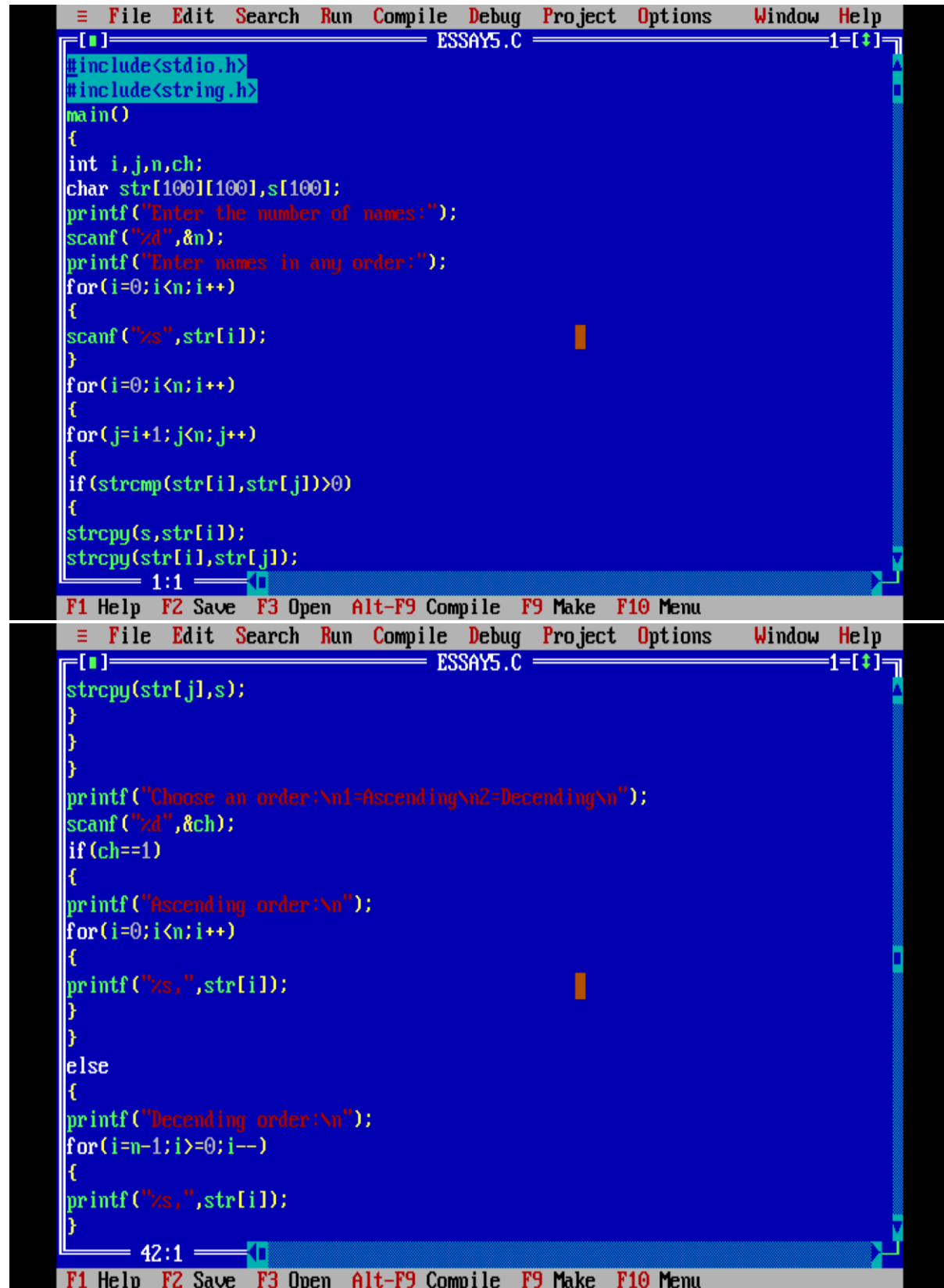


## 5. Ascending order and decending Order

INPUT:



The image displays two screenshots of a Turbo C++ IDE window titled 'ESSAY5.C'. The first screenshot shows the initial part of the code, including header files and the main function's setup. The second screenshot shows the continuation of the code, including the sorting logic and the output prompt.

```
#include<stdio.h>
#include<string.h>
main()
{
    int i,j,n,ch;
    char str[100][100],s[100];
    printf("Enter the number of names:");
    scanf("%d",&n);
    printf("Enter names in any order:");
    for(i=0;i<n;i++)
    {
        scanf("%s",str[i]);
    }
    for(i=0;i<n;i++)
    {
        for(j=i+1;j<n;j++)
        {
            if(strcmp(str[i],str[j])>0)
            {
                strcpy(s,str[i]);
                strcpy(str[i],str[j]);
                strcpy(str[j],s);
            }
        }
    }
    printf("Choose an order:\n1=Ascending\n2=Decending\n");
    scanf("%d",&ch);
    if(ch==1)
    {
        printf("Ascending order:\n");
        for(i=0;i<n;i++)
        {
            printf("%s,",str[i]);
        }
    }
    else
    {
        printf("Decending order:\n");
        for(i=n-1;i>=0;i--)
        {
            printf("%s,",str[i]);
        }
    }
}
```

```
File Edit Search Run Compile Debug Project Options Window Help
[ ] ESSAYS.C 1-[ ]
}
printf("Choose an order:\n1=Ascending\n2=Decending\n");
scanf("%d",&ch);
if(ch==1)
{
printf("Ascending order:\n");
for(i=0;i<n;i++)
{
printf("%s,",str[i]);
}
}
else
{
printf("Decending order:\n");
for(i=n-1;i>=0;i--)
{
printf("%s,",str[i]);
}
}
return 0;
}
45:1
F1 Help F2 Save F3 Open Alt-F9 Compile F9 Make F10 Menu
```

OUTPUT:

```
C:\TURBOC3\BIN>TC
Enter the number of names:5
Enter names in any order: BANANA
RADISH
CARROT
JACK
APPLE
Choose an order:
1=Ascending
2=Decending
1
Ascending order:
APPLE,BANANA,CARROT,JACK,RADISH,Enter the number of names:5
Enter names in any order: BANANA
RADISH
PINEAPPLE
ORANGE
LEMON
Choose an order:
1=Ascending
2=Decending
3
Decending order:
RADISH,PINEAPPLE,ORANGE,LEMON,BANANA,Enter the number of names:_
```