

```
#include <stdio.h>
```

```
void main()
```

```
{
```

```
    int arr1[100],i,n,p,ival;
```

```
    printf("-----\n");
```

```
    printf("Dizi boyutu : ");
```

```
    scanf("%d", &n);
```

```
    for(i=0;i<n;i++)
```

```
    {
```

```
        printf("Eleman [%d] icin deger : ",i);
```

```
        scanf("%d",&arr1[i]);
```

```
    }
```

```
    printf("\nDiziye eklenecek deger : ");
```

```
    scanf("%d",&ival);
```

```
    printf("\nDizideki elemanlar :\n ");
```

```
    for(i=0;i<n;i++)
```

```
        printf("% 5d",arr1[i]);
```

```
    for(i=0;i<n;i++)
```

```
        if(ival<arr1[i])
```

```
        {
```

```
            p = i;
```

```
        break;
    }

    for(i=n;i>=p;i--)
        arr1[i]= arr1[i-1];

    arr1[p]=inval;

    printf("\n\nEklemeden sonraki dizideki elemanlar :\n ");
    for(i=0;i<=n;i++)
        printf("% 5d",arr1[i]);
        printf("\n");
}
```