```
[■]════════════════════NONAME02.CPP════════════════════3═[↕]
#include<stdio.h>
#include<conio.h>
void insertion(int[],int);
int main()
{
 int arr[30];
 int i,size;
 printf("\n \t insertion sorting using function \n\n");
 printf("enetr total number of elements:");
 scanf("%d ",&size);
  for(i=0;i<size;i++)
   {
     printf("enter %d elements:",i+1);
      scanf("%d", &arr[i]);
   }
   insertion(arr,size);
   printf("\n \t insertion sorted elements using function \n\n");
    for(i=0;i<size;i++)
      printf("%d",arr[i]);
    getch();
    return 0;
```

```cpp
        return 0;

}
void insertion(int arr[],int size)
{
  int i,j,tmp;
  for(i=0;i<size;i++)
  {
    for(j=i-1;j>0;j--)
    {
      if(arr[j]>arr[j+1])
      {
        tmp=arr[j];
        arr[j]=arr[j=1];
        arr[j+1]=tmp;
      }
      else
      break;
    }
  }
}
```

NONAME02.CPP ═══════════════════3=[↕]

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```
C:\TURBOC3\BIN>TC

          insertion sorting using function

enetr total number of elements:5
1
enter 1 elements:enter 2 elements:7
enter 3 elements:5
enter 4 elements:3
enter 5 elements:7

          insertion sorted elements using function

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```