```
File Edit Search Run Compile Debug Project Uptions
                                                                     Wind
                                    PRACT6A.C
#include(stdio.h>
#include(conio.h)
int max, a[20], b[20];
void merge (int low, int mid, int high) {
int 11,12,i;
for(11=low, 12=mid+1, i=low; 11<=mid && 12<=high; i++){
if(a[]11]<=a[]21)
b[i]=a[l1++];
else
b[i]=a[12++];
while(l1<=mid)
b[i++]=a[l1++];
while(12<=high)
b[i++]=a[12++];
for(i=low;i<=high;i++)
a[i]=b[i];
void sort(int low, int high){
F1 Help F2 Save F3 Open Alt-F9 Compile
                                          F9 Make
                                                  F10 Menu
```

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File Edit Search Kun compile Debug Project Options
                                                                    Win
                                   PRACT6A.C
void sort(int low, int high){
int mid;
if(low<high){
mid=(low+high)/2;
sort(low,mid);
sort(mid+1,high);
merge(low,mid,high):
else{
return:
void main(){
int i:
clrscr();
printf("Enter Size of the Array:");
scanf ("xd", &max);
printf("\nEnter Elements:\n");
for(i=0; i<max; i++){
scanf ("xd", &a[i]);
       41:1 ===
```

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Windo
                                               Froject Options
 E File Edit Scare
                                    PRACT6A.C
|void main(){
int i:
clrscr();
printf("Enter Size of White Myllong: ")
scanf("xd",&max);
printf("\nEnter Elements >a");
for(i=0; i < max; i++) {
scanf ("zd", &a[i]);
sort(0, max);
printf("\nMerged Sorted Array:\n");
for(i=1;i<=max;i++){
printf("xd\n",a[i]);
getch();
F1 Help F2 Save F3 Open 614 F0 6
```

Enter Size of the Array:5

Enter Elements:

23