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File Edit Search Run Compile Debug Project Options Window Help

SORTING.C

SO
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File Edit Search Run Compile Debug Project Options Window Help

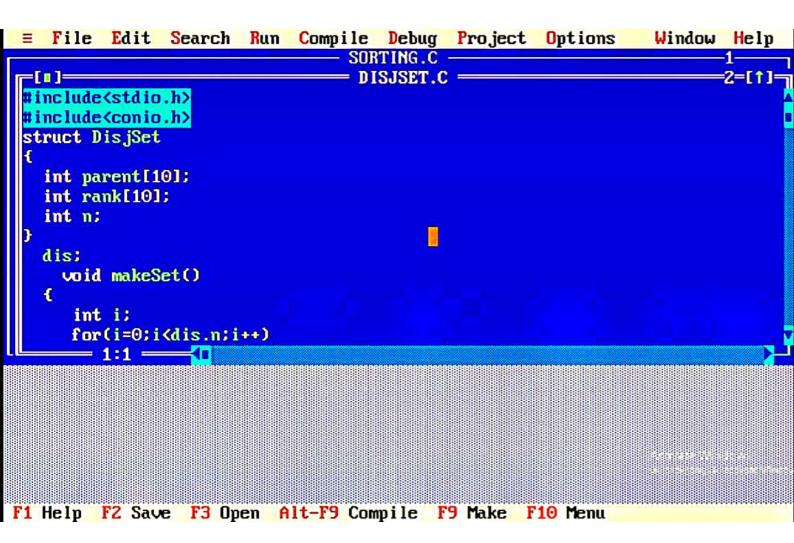
SORTING.C

[if(number[i]>number[j])
{
    a=number[i];
    number[i]=a;
}
}
printf('The number arranged in ascending water are given below \n'');
for(i=0;i(n;i++)
    printf('\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\text{\
```

Enter the value of N

5
Enter the numbers 1 8 5 2 4
The number arranged in ascending order are given below 1
2
4
5
8

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Go to Settings to activate Windows.



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SURTING.C

DISJSET.C

2-[f]

for(i=0;i(dis.n;i++)
{
  printf("M",dis.rank[i]);
}
  printf("M");
}
  int find(int x)
{
  if(dis.parent[x] f=x)
{
    dis.parent[x]=find(dis.parent[x]);
}
  return dis.parent[x]:
```

```
File Edit Search Run Compile Debug Project Options
                                                                  Window Help
                                  SORTING.C -
  :[:]=
                                   DISJSET.C =
      void Union(int x, int y)
       int xset=find(x);
       int yset=find(y);
       if (xset==yset)
       return;
        if(dis.rank[xset] < dis.rank[yset])</pre>
         dis.parent[xset]=yset;
         dis.rank[xset]=1;
       else if (dis.rank[xset]>dis.rank[yset])
        1:1 ----
F1 Help
        FZ Save F3 Open Alt-F9 Compile
                                          F9 Make
                                                    F10 Menu
```

```
File Edit Search Run Compile Debug Project Options
                                                                Window Help
                                 SORTING.C -
  =[ [ ] =
                                  DISJSET.C =
        dis.parent[yset]=xset;
        dis.rank[yset]=1;
   else
   €
        dis.parent[yset]=xset;
        dis.rank[xset]=dis.rank[xset] +1;
        dis.rank[yset]= -1;
   getch();
     int main()
       = 1:1
                —∢∎
        F2 Save F3 Open Alt-F9 Compile
F1 Help
                                          F9 Make
                                                   F10 Menu
```

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≡ File Edit Search Run Compile Debug Project Options
                                                                Window Help
                                 SORTING.C -
-[ 🛮 ] -
                                 DISJSET.C =
                                                                        2=[1]
  £
      int x,y,n,ch,wish;
      printf ("How many elements ?");
      scanf ("M", &dis.n);
      makeSet();
  do
  €
                                 \n");
      printf ("\n
      printf("1. Union\n2.Find\n3.Displny\n");
      printf("enter choice\n");
      scanf ("zd", &ch);
  switch(ch)
      = 1:1 -----
```

F1 Help F2 Save F3 Open Alt-F9 Compile F9 Make F10 Menu

```
File Edit Search Run Compile Debug Project Options Window Help

SORTING.C

DISJSET.C

2-[t]

if (find(x)==find(y))

printf( Connected components n');

else

printf( Not connected components n');

break;

case 3:displaySet();
```

```
C:\TURBOC3\BIN>TC
How many elements ?4
       MENU
1. Union
2.Find
3.Display
enter choice
Enter elements to perform union 2 3
Do you wish to continue ?(1/0)
1
       MENU
1. Union
Z.Find
3.Display
enter choice
Enter elements to check if connected components
```

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```
1. Union
2.Find
3.Display
enter choice
2
Enter elements to check if connected components 3 5
Not connected components

Do you wish to continue ?(1/0)
1

MENU
1. Union
2.Find
3.Display
enter choice
3

Parent Array
0122
Rank Array
601-1
```

Do you wish to continue ?(1/0)

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