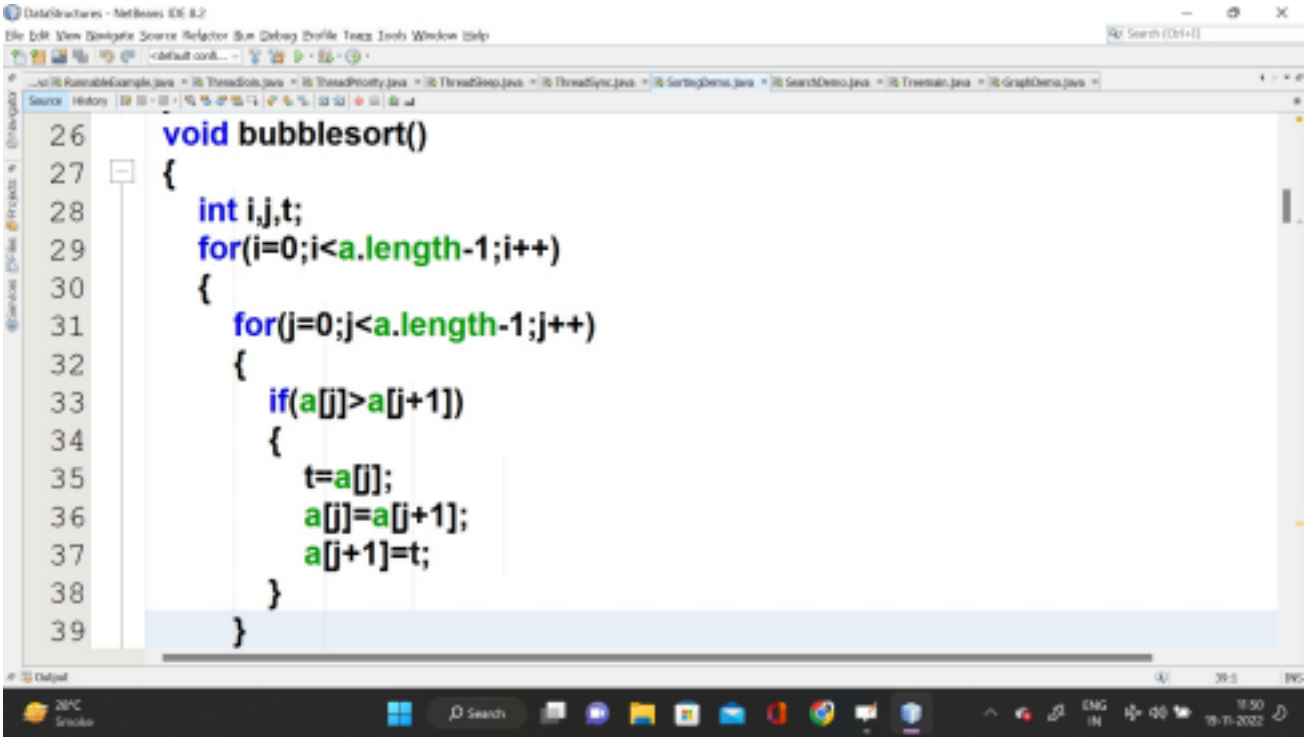
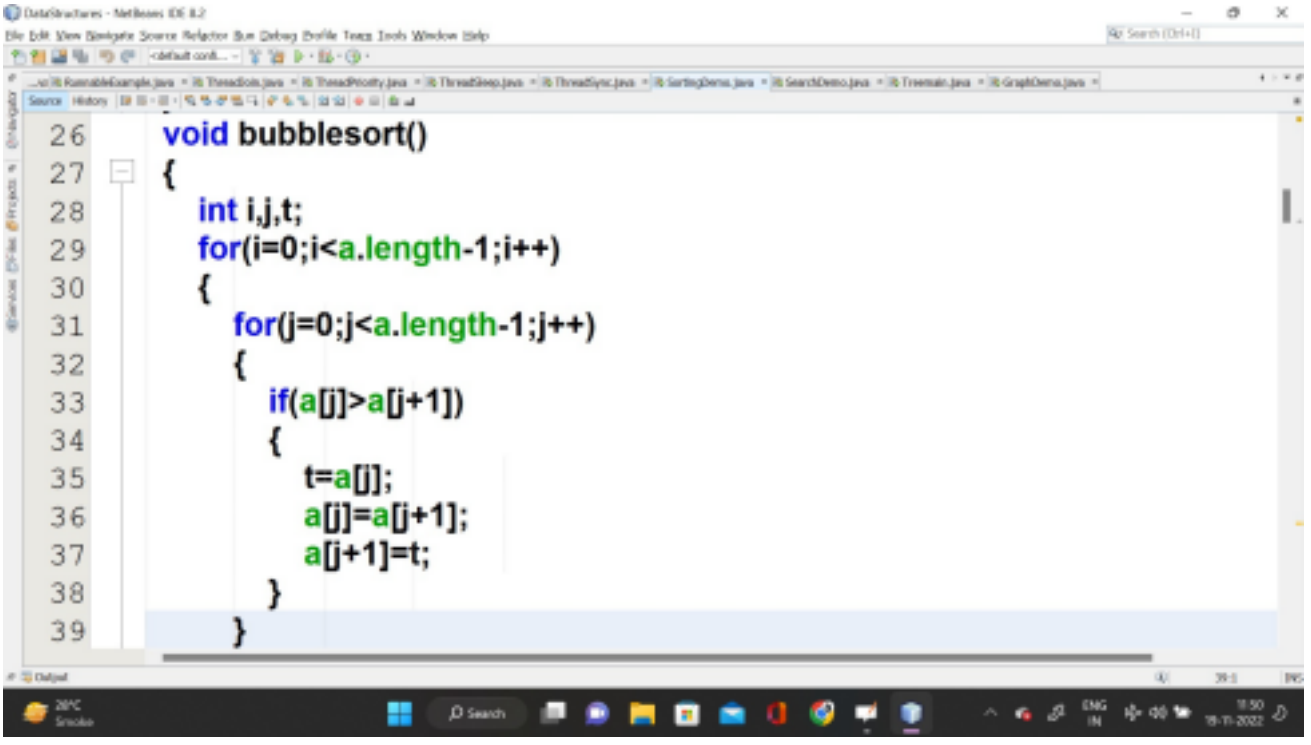

DataStructures - NetBeans IDE 8.2
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help
Search (Ctrl+I)
Source History
26 void bubblesort()
27 {
28 int i,j,t;
29 for(i=0;i<a.length-1;i++)
30 {
31 for(j=0;j<a.length-1;j++)
32 {
33 if(a[j]>a[j+1])
34 {
35 t=a[j];
36 a[j]=a[j+1];
37 a[j+1]=t;
38 }
39 }
Output
28°C
Smoke
Search
ENG
IN
11:50
18-11-2022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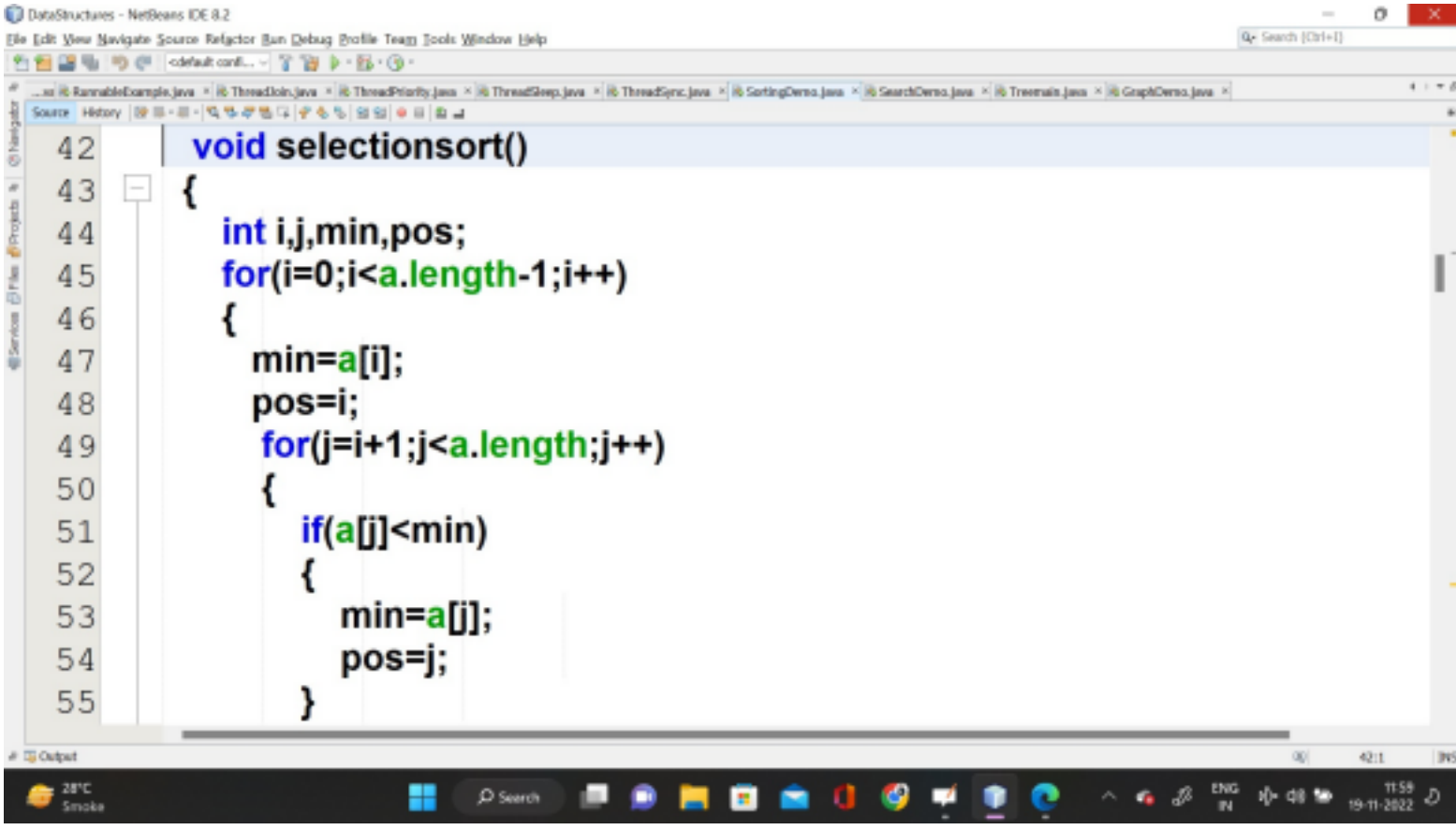
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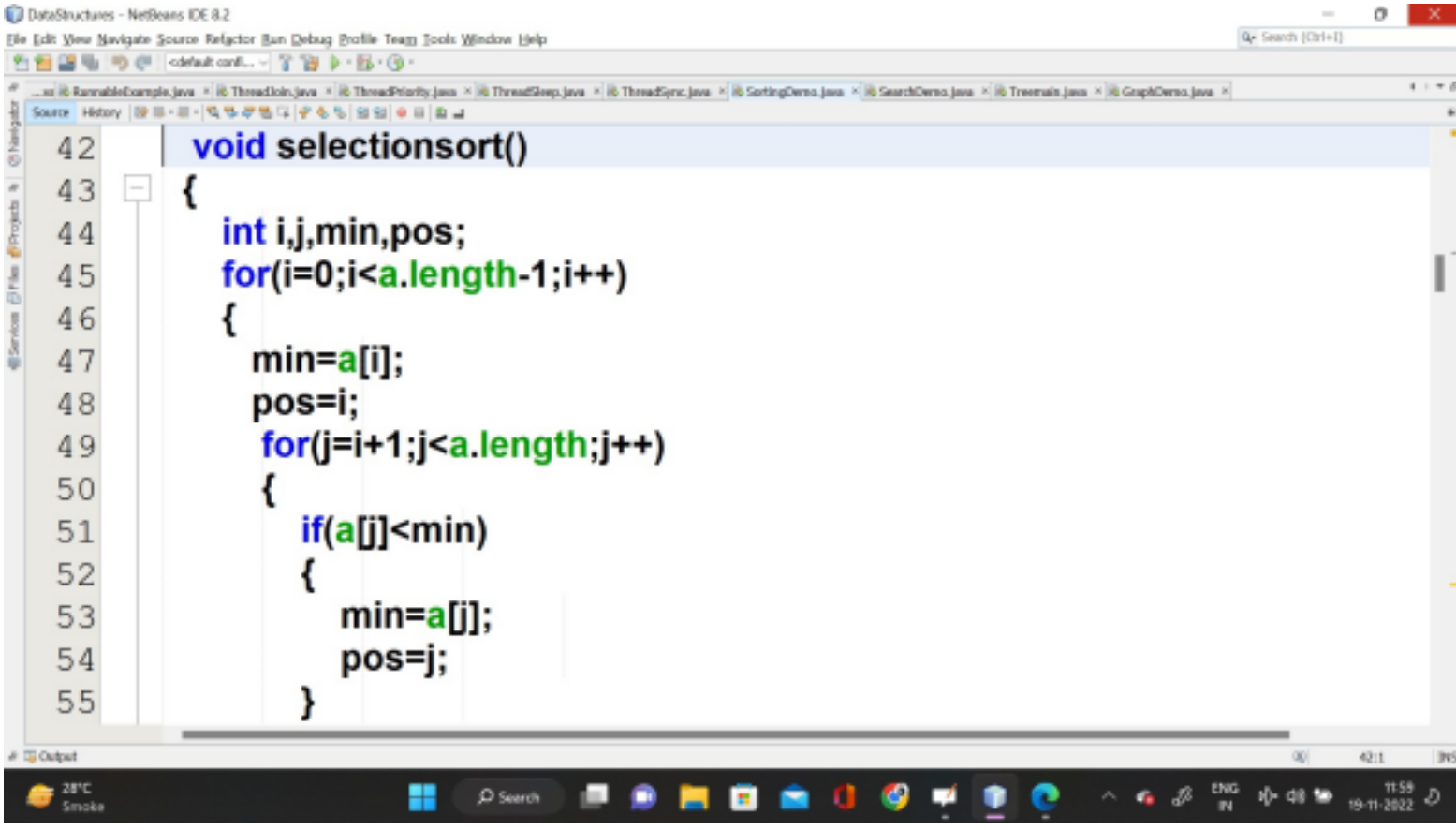
RunnableExample.java
ThreadJoin.java
ThreadPriority.java
ThreadSleep.java
ThreadSync.java
SortingDemo.java
SearchDemo.java
Treemain.java
GraphDemo.java
Source History
42 void selectionsort()
43 {
44 int i,j,min,pos;
45 for(i=0;i<a.length-1;i++)
46 {
47 min=a[i];
48 pos=i;
49 for(j=i+1;j<a.length;j++)
50 {
51 if(a[j]<min)
52 {
53 min=a[j];
54 pos=j;
55 }
Output
42:1
28°C
Smoke
Search
ENG
IN
11:59
19-11-2022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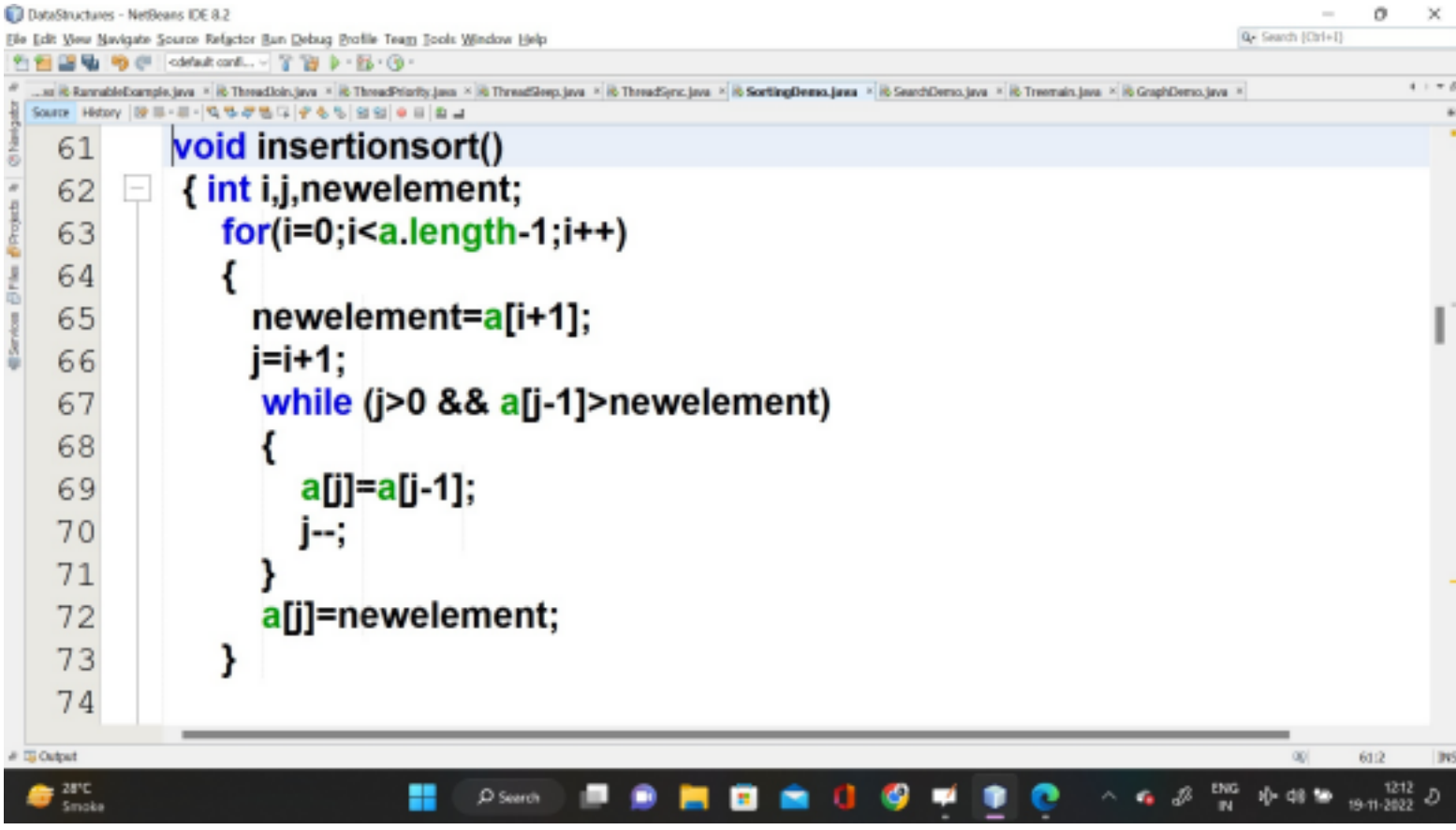
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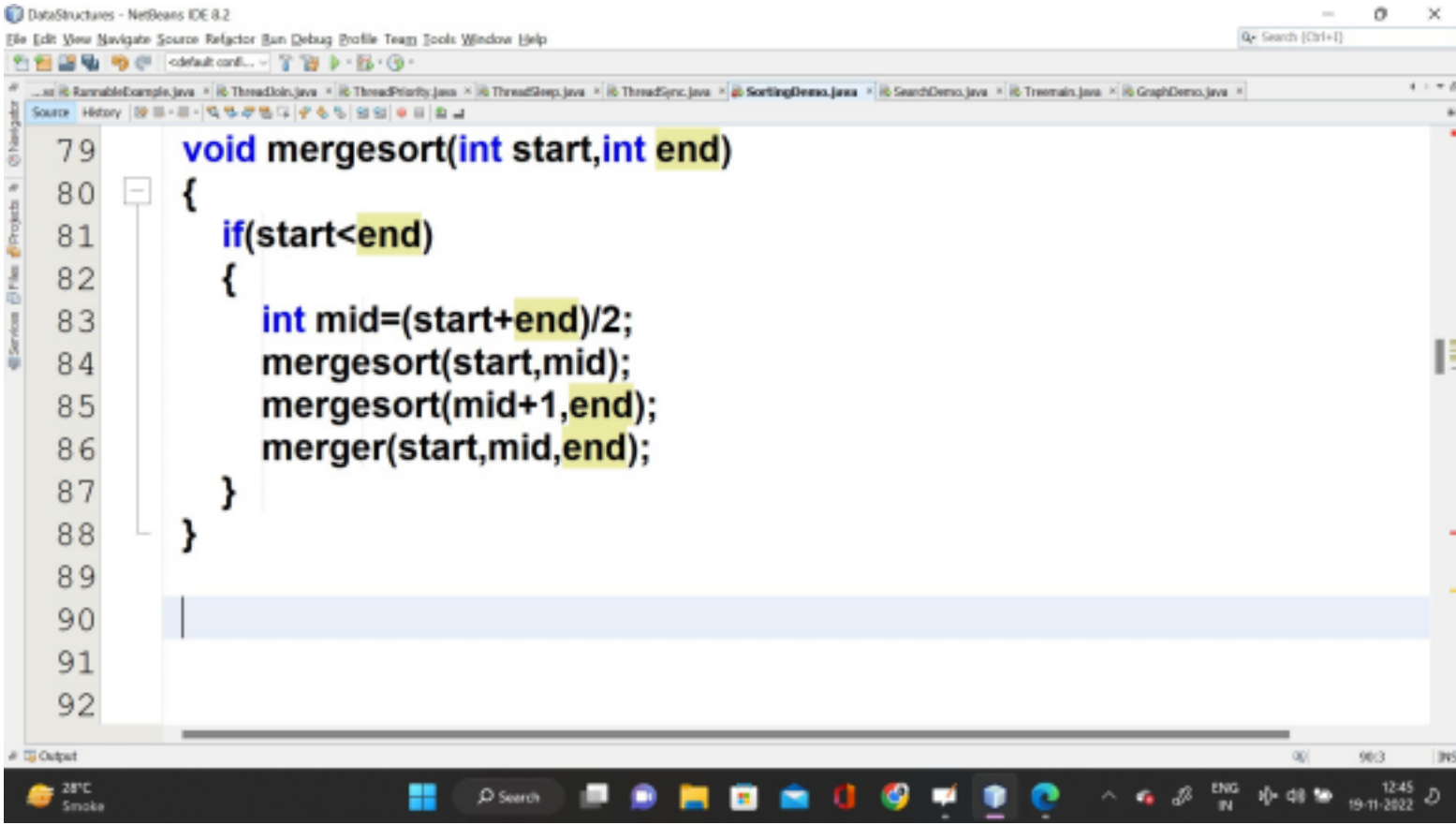
ThreadSync.java
SortingDemo.java
SearchDemo.java
Treemain.java
GraphDemo.java
Source History
61 void insertionsort()
62 { int i,j,newelement;
63 for(i=0;i<a.length-1;i++)
64 {
65 newelement=a[i+1];
66 j=i+1;
67 while (j>0 && a[j-1]>newelement)
68 {
69 a[j]=a[j-1];
70 j--;
71 }
72 a[j]=newelement;
73 }
74
Output
61:2
28°C
Smoke
Search
ENG
IN
12:12
19-11-2022




```
void merger(int start,int mid,int
  end) {
     int temp[]=new
     int[a.length]; int i,j,index;
     i=index=start;
     j=mid+1;
```

```
  while(i<=mid && j<=end)
  {
     if(a[i]<a[j])
        temp[index++]=a[i++];
     else
        temp[index++]=a[j++];
  }
  while(i<=mid)
     temp[index++]=a[i++];
  while(j<=end)
     temp[index++]=a[j++];

  for (i=start;i<=end;i++)
     a[i]=temp[i];

}
 void quicksort(int start,int end)
  {
      int i,j,pivot;
      i=start; j=end;pivot=start;
      while(i<j)
      {
         while(a[i]<a[pivot])
            i++;
```

```
        while(a[j]>a[pivot])
            j--;
        if(i<j)
        {
            int t=a[i];
            a[i]=a[j];
            a[j]=t;
        }
    }
    if(i<end)
        quicksort(i+1,end);
    if(start<j)
        quicksort(start,j-1);
}
      void heap()
       {
       int i,k,lp,temp,done=0;
       for(i=a.length-1;i>=0;i--) {
       for(k=0;k<=i;k++)
       {
       done=0;
       lp=k;
       while(lp>0 && done!=1) {
       if(a[lp]>a[lp/2])
       {
```

```
temp=a[lp];
a[lp]=a[lp/2];
a[lp/2]=temp;
lp=lp/2;
}
else
done=1;
}
}
temp=a[0];
a[0]=a[i];
a[i]=temp;
}
}
        void binarysearch(int start,int end,int key)
         {
            if(start<=end)
            {
              int mid=(start+end)/2;
              if(a[mid]==key)
                 System.out.println("found at:"+(mid+1));

              if(key<a[mid])//left only
                    binarysearch(start,mid-1,key);

              if(key>a[mid])//right only
```

```
            binarysearch(mid+1,end,key);
    }
    else
        System.out.println("Not found");
}
```