

```
E:\manish123\collection>List\LinkedListClass\MYLINKEDLIST\ShubhamLinkedList.java - Notepad++  
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?  
ShubhamLinkedList.java  
1 import java.io.*;  
2 //=====nodes  
3 class Node  
4 {  
5     Integer data;  
6     Node next;  
7 }  
8 //-----Iterator  
9 interface MyIterator  
10 {  
11     boolean hasNext();  
12     Integer next();  
13 }  
14 //-----Mylinkedlist  
15 class MyLinkedList implements MyIterator  
16 {  
17     Node start=null;  
18     Node hsnxt,nxt;  
19     public MyIterator myiterator()  
20     {  
21         nxt=hsnxt=this.start;  
22         return this;  
23     }  
24     public boolean hasNext()
```

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logins.jsp ShubhamLinkedList.java

```
2 //=====nodes
3 class Node
4 {
5     Integer data;
6     Node next;
7 }
8 //-----Iterator
9 interface MyIterator
10 {
11     boolean hasNext();
12     Integer next();
13 }
14 //-----Mylinkedlist
15 class MyLinkedList implements MyIterator
16 {
17     Node start=null;
18     Node hsnxt,nxt;
19     public MyIterator myiterator()
20     {
21         nxt=hsnxt=this.start;
22         return this;
23     }
24     public boolean hasNext()
25     {
```

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ShubhamLinkedList.java

```
22         return this;
23     }
24     public boolean hasNext()
25     {
26         boolean flag=false;
27         if(this.hsnxt!=null)
28         {
29             flag=true;
30             this.hsnxt=this.hsnxt.next;
31         }
32         return flag;
33     }
34     public Integer next()
35     {
36         Integer o=nxt.data;
37         nxt=nxt.next;
38         return o;
39     }
40     public boolean isEmpty()
41     {
42         boolean flag=false;
43         if(start==null)
44             flag=true;
45         return flag;
46     }
47 }
```

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Java source file

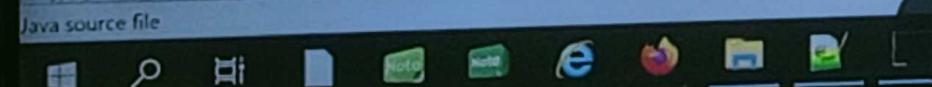
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```
22         return this;
23     }
24     public boolean hasNext()
25     {
26         boolean flag=false;
27         if(this.hsnxt!=null)
28         {
29             flag=true;
30             this.hsnxt=this.hsnxt.next;
31         }
32         return flag;
33     }
34     public Integer next()
35     {
36         Integer o=nxt.data;
37         nxt=nxt.next;
38         return o;
39     }
40     public boolean isEmpty()
41     {
42         boolean flag=false;
43         if(start==null)
44             flag=true;
45         return flag;
46     }
```



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login.jsp ShubhamLinkedList.java

```
44         flag=true;
45     return flag;
46 }
47 // adding at first index-----
48 public void addFirst(Integer o)
49 {
50     Node d=new Node();
51     d.data=o;
52     if(start==null)
53     {
54         start=d;
55         d.next=null;
56     }
57     else
58     {
59         d.next=start;
60         start=d;
61     }
62 }
63 //-----adding elemnt at last index-----
64 public void addLast(Integer o)
65 {
66     Node d=new Node();
67     d.data=o;
```

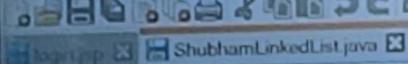
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```
64     public void addLast(Integer o)
65     {
66         Node d=new Node();
67         d.data=o;
68         d.next=null;
69         if(start==null)
70         {
71             start=d;
72         }
73         else
74         {
75             Node var=start;
76             while(var.next!=null)
77             {
78                 var=var.next;
79             }
80             var.next=d;
81         }
82     }
83 // going to last element-----
84
85     public Integer getFirst()
86     {
87         return start.data;
88     }
```



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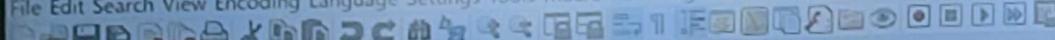
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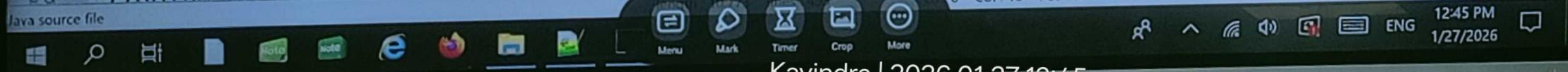
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```
66         Node d=new Node();
67         d.data=o;
68         d.next=null;
69         if(start==null)
70         {
71             start=d;
72         }
73         else
74         {
75             Node var=start;
76             while(var.next!=null)
77             {
78                 var=var.next;
79             }
80             var.next=d;
81         }
82     }
83 // going to last element-----
84
85     public Integer getFirst()
86     {
87         return start.data;
88     }
89 //going to to first position-----
```



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ShubhamLinkedList.java

```
88     }
89 //going to to first position-----
90     public Integer getLast()
91     {
92         Node var=start;
93         while(var.next!=null)
94         {
95             var=var.next;
96         }
97         return var.data;
98     }
99 //-----deleting first element-----
100    public Integer removeFirst()
101    {
102        Integer o=null;
103        if(start!=null)
104        {
105            o=start.data;
106            start=start.next;
107        }
108
109        return o;
110    }
111 //-----deleting last element-----
```

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logins.jsp ShubhamLinkedList.java

```
109         return o;
110     }
111 //-----deleting last element-----
112     public Integer removeLast()
113     {
114         Integer o=null;
115         Node var=start;
116         if(var.next==null)
117         {
118             start=null;
119         }
120         else if(var!=null)
121         {
122             while((var.next).next!=null)
123             {
124                 var=var.next;
125             }
126             o=var.next.data;
127             if(var.next==start)
128             {
129                 start=null;
130             }
131             var.next=null;
132         }
133     }
```

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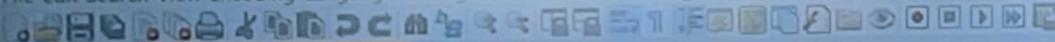
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```
131         var.next=null;
132     }
133     return o;
134 }
//-----Sorting-----
135 public void shot()
136 {
137     Node p = start;
138     Node k;
139     Integer temp;
140     while (p != null)
141     {
142         k = p.next;
143         while (k != null)
144         {
145             if(p.data>k.data)
146             {
147                 // Swap data values
148                 temp = p.data;
149                 p.data = k.data;
150                 k.data = temp;
151             }
152             k = k.next;
153 }
```

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login.jsp ShubhamLinkedList.java

```
153             k = k.next;
154         }
155         p = p.next;
156     }
157 }
//-----decending-----
159 public void dec()
160 {
161     Node p = start;
162     Node k;
163     Integer temp;
164     while (p != null)
165     {
166         k = p.next;
167         while (k != null)
168         {
169             if(p.data<k.data)
170             {
171                 // Swap data values
172                 temp = p.data;
173                 p.data = k.data;
174                 k.data = temp;
175             }
176         }
177     }
178 }
```

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login.jsp ShubhamLinkedList.java

```
175         }
176         k = k.next;
177     }
178     p = p.next;
179 }
180 }
181 //-----reverse-----
182 public void rev()
183 {
184     Node p = start;
185     Node pre=null;
186     Node temp;
187     while (p != null)
188     {
189         temp=p.next;
190         p.next=pre;
191         pre=p;
192         p=temp;
193     }
194     start=pre;
195 }
196 // -----search-----
197 public boolean serch( int x)
198 {
```



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login.jsp ShubhamLinkedList.java

```
196 // -----search-----
197 public boolean serch( int x)
198 {
199     Node p = start;
200     boolean flag=false;
201     while(p!=null)
202     {
203         if(p.data==x)
204         {
205             flag=true;
206             break;
207         }
208         p=p.next;
209     }
210     return flag;
211 }
212 //-----search and replace-----
213 public boolean serchreplace( int x, int y)
214 {
215     boolean flag=false;
216     Node p = start;
217     while(p!=null)
218     {
219         if(p.data==x)
```

Java source file

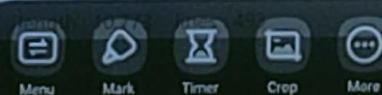
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```
196 // -----search-----
197 public boolean serch( int x)
198 {
199     Node p = start;
200     boolean flag=false;
201     while(p!=null)
202     {
203         if(p.data==x)
204         {
205             flag=true;
206             break;
207         }
208         p=p.next;
209     }
210     return flag;
211 }
212 //-----search and replace-----
213 public boolean serchreplace( int x, int y)
214 {
215     boolean flag=false;
216     Node p = start;
217     while(p!=null)
218     {
219         if(p.data==x)
```



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logins.pj ShubhamLinkedList.java

```
217     while(p!=null)
218     {
219         if(p.data==x)
220         {
221             p.data=y;
222             flag=true;
223             break;
224         }
225         p=p.next;
226     }
227     return flag;
228 }
229 //-----
230 class MyListAsign
231 {
232     MyLinkedList elmnt=new MyLinkedList();
233     public static void main(String... s) throws IOException
234     {
235         MyListAsign obj=new MyListAsign();
236         int ch,ch1=0;
237         String str;
238         BufferedReader sc=new BufferedReader(new InputStreamReader(System.in));
239         for(..)
```

Java source file



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217     while(p!=null)  
218     {  
219         if(p.data==x)  
220         {  
221             p.data=y;  
222             flag=true;  
223             break;  
224         }  
225         p=p.next;  
226     }  
227     return flag;  
228 }  
229 }  
//-----  
231 class MyListAsign  
232 {  
    MyLinkedList elmnt=new MyLinkedList();  
    public static void main(String... s) throws IOException  
    {  
        MyListAsign obj=new MyListAsign();  
        int ch,ch1=0;  
        String str;  
        BufferedReader sc=new BufferedReader(new InputStreamReader(System.in));  
        for(..)
```

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```
239     BufferedReader sc=new BufferedReader(new InputStreamReader(System.in));
240     for(;;)
241     {
242         System.out.println("Menu of the operation for DQ");
243         System.out.println("1. ADD\n2. Delete\n3. Display\n4. Sort\n5. reverse\n6.
244         Search\n7. search&replace\n8. Exit ");
245         System.out.println("Enter your choice");
246         ch=Integer.parseInt(sc.readLine());
247         switch(ch)
248         {
249             case 1:
250                 for(;;)
251                 {
252                     obj.clrscr();
253                     System.out.println("Select the position for adding the next element");
254                     System.out.println("1. Front-end\n2. Rear-end\n3. Back to main menu");
255                     System.out.println("Enter your choice");
256                     ch1=Integer.parseInt(sc.readLine());
257                     switch(ch1)
258                     {
259                         case 1:
260                             System.out.println("Enter your int Data to insert");
261                             str=sc.readLine();
262                             obj_element.addFirst(Integer.parseInt(str)).
```

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login.jsp ShubhamLinkedList.java

```
260         str=sc.readLine();
261         obj.elmnt.addFirst(Integer.parseInt(str));
262         break;
263     //-----end of first case sub menu-----
264     case 2:
265         System.out.println("Enter your int Data to insert");
266         str=sc.readLine();
267         obj.elmnt.addLast(Integer.parseInt(str));
268         break;
269     //-----end of second case sub menu-----
270     case 3:
271         break;
272     //-----end of third case sub menu-----
273     default:
274         System.out.println("You have enter wrong choice");
275     }
276     if(ch1==3)
277     {
278         break;
279     }
280     try
281     {
282         System.out.println("Adding the element wait.....");
283         Thread.sleep(4000);
284     }
285 }
```

Java source file

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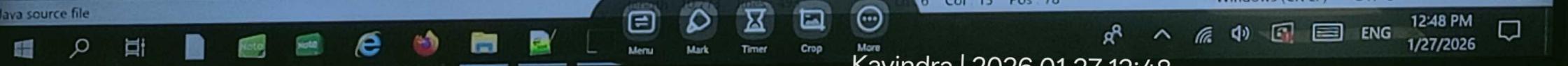
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log.txt ShubhamLinkedList.java

```
281         {
282             System.out.println("Adding the element wait.....");
283             Thread.sleep(4000);
284         }
285         catch(Exception e)
286         {
287         }
288         obj.clrscr();
289     }
290     break;
291 //-----end of first case main
292 menu-----
293     case 2:
294     if(obj.elmnt.isEmpty())
295     {
296         System.out.println("Nothing to Delete");
297     }
298     else
299     {
300         for(;;)
301         {
302             obj.clrscr();
303             if(obj.elmnt.isEmpty()==false)
```



```
if(obj.elmnt.isEmpty() == false)
{
    System.out.println("select the position to delete the element");
    System.out.println("1. front-end\n2. Rear-end\n3. Back");
    System.out.println("Enter your choice");
    ch1=Integer.parseInt(sc.readLine());
    switch(ch1)
    {
        case 1:
            obj.elmnt.removeFirst();
            break;
        //-----end of first case sub
        menu-----
        case 2:
            obj.elmnt.removeLast();
            break;
        //-----end of second case sub
        menu-----
        case 3:
            break;
        //-----end of third case sub
        menu-----
        default:
            System.out.println("you enter the wrong choice");
    }
}
```

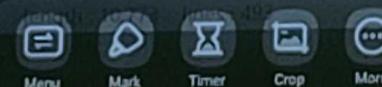


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ShubhamLinkedList.java

```
321             default:  
322                 System.out.println("you enter the wrong choice");  
323             }  
324         }  
325     else  
326     {  
327         System.out.println("there is no element present first create ");  
328         obj.clrscr();  
329         break;  
330     }  
331     if(ch1==3)  
332     break;  
333     try  
334     {  
335         System.out.println("Deleting the element wait.....");  
336         Thread.sleep(4000);  
337     }  
338     catch(Exception e)  
339     {  
340     }  
341     obj.clrscr();  
342     }  
343 //-----end of second case main
```



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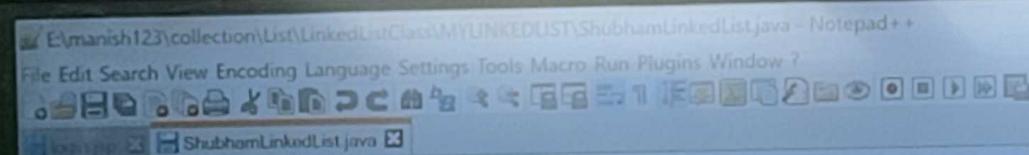
log.txt ShubhamLinkedList.java

```
342     }
343 //-----end of second case main
344 menu-----
345     case 3:
346         if(obj.elmnt.isEmpty())
347         {
348             System.out.println("Nothing to Display");
349         }
350         else
351         {
352             System.out.println("Content of the list");
353             MyIterator it=obj.elmnt.myiterator();
354             while(it.hasNext())
355             {
356                 System.out.print(it.next());
357                 System.out.print(", ");
358             }
359         }
360         break;
361 //-----end of third case main
362 menu-----
363     case 4:
364         if(obj.elmnt.isEmpty())
365         {
```

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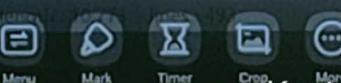
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```
361         case 4:
362             if(obj.elmnt.isEmpty())
363             {
364                 System.out.println("Nothing to Shorting");
365             }
366             else
367             {
368                 for(;;)
369                 {
370                     obj.clrscr();
371                     System.out.println("HOW to Short");
372                     System.out.println("1. accending\n2. Decending\n3. Back to main menu");
373                     );
374                     System.out.println("Enter your choice");
375                     ch1=Integer.parseInt(sc.readLine());
376                     switch(ch1)
377                     {
378                         case 1:
379                             obj.elmnt.shot();
380                             break;
381                         //-----end of first case sub menu-----
382                         case 2:
383                             obj.elmnt.dec();
384                             break;
385                     }
386                 }
387             }
388         }
389     }
390 }
```

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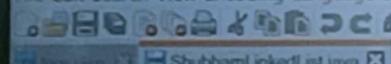
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ShubhamLinkedList.java

```
382         obj.elmnt.dec();
383         break;
384         //-----end of second case sub menu-----
385         case 3:
386         break;
387         //----end of third case sub menu-----
388         default: System.out.println("you have entered wrong choice");
389     }
390     if(ch1==3)
391     break;
392     try
393     {
394         System.out.println("Shorting the elements wait.....");
395         Thread.sleep(4000);
396     }
397     catch(Exception e)
398     {
399         obj.clrscr();
400     }
401 }
402 break;
403 //----end of fourth case main
404
```

Windows (CR LF) UTF-8 1249 PM 1/27/2026 Kavindra | 2026.01.27 12:49 ENG 1/27/2026

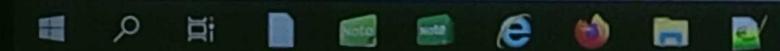


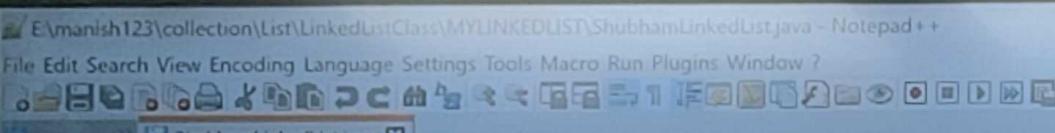
```
403         break;
404     //-----end of fourth case main
405     menu-----
406     case 5:
407     if(obj.elmnt.isEmpty())
408     {
409         System.out.println("Nothing to Reverse");
410     }
411     else
412     obj.elmnt.rev();
413     break;
414     //-----end of fifth case main
415     menu-----
416     case 6:
417     if(obj.elmnt.isEmpty())
418     {
419         System.out.println("Nothing to Search");
420     }
421     else
422     {
423         System.out.println("Enter data to search");
424         ch1=Integer.parseInt(sc.readLine());
425         if(obj.elmnt.serch(ch1))
426     }
```



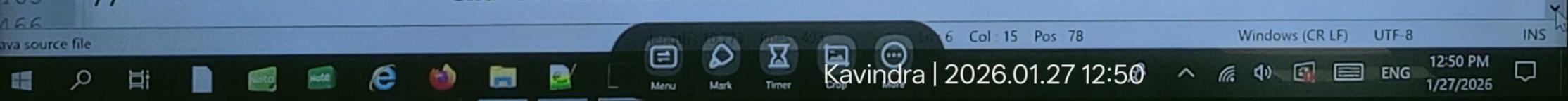
log4j.properties ShubhamLinkedList.java

```
422         ch1=Integer.parseInt(sc.readLine());
423         if(obj.elmnt.serch(ch1))
424         {
425             System.out.println("data Is Available");
426             System.out.println("Content of the list");
427             MyIterator it=obj.elmnt.myiterator();
428             while(it.hasNext())
429             {
430                 System.out.print(it.next());
431                 System.out.print(", ");
432             }
433         }
434         else
435             System.out.println("data Is NOT Available");
436     }
437     break;
438 //-----end of sixth case main menu-----
439     case 7:
440         if(obj.elmnt.isEmpty())
441         {
442             System.out.println("Nothing to Search");
443         }
444         else
445     }
```





```
443     }
444     else
445     {
446         System.out.println("Enter data to search");
447         ch=Integer.parseInt(sc.readLine());
448         System.out.println("Enter new data");
449         ch1=Integer.parseInt(sc.readLine());
450         if(obj.elmnt.serchreplace(ch,ch1))
451         {
452             System.out.println("New linklist data Is:");
453             System.out.println("Content of the list");
454             MyIterator it=obj.elmnt.myiterator();
455             while(it.hasNext())
456             {
457                 System.out.print(it.next());
458                 System.out.print(", ");
459             }
460         }
461         else
462             System.out.println("data Is NOT Available");
463     }
464     break;
465 //-----end of seventh case main menu-----
```



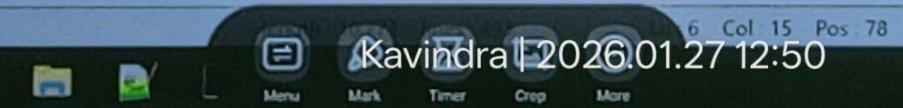
E:\manish123\collection\List\LinkedListClass\MYLINKEDLIST\ShubhamLinkedListJava - Notepad++

File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window ?

ShubhamLinkedListJava

```
464         break;
465 //-----end of seventh case main menu-----
466
467
468     case 8:
469         System.exit(0);
470 //-----end of eight case main
menu-----
471         default: System.out.println("you have entered wrong choice");
472     }
473     System.out.println("wait getting back.....");
474     try
475     {
476         Thread.sleep(4000);
477     }
478     catch(Exception e)
479     {
480     }
481     obj.clrscr();
482 }
483 }
484 void clrscr()
485 {
    for(int i=0;i<50;i++)
}
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```

Java source file



Kavindra | 2026.01.27 12:50

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