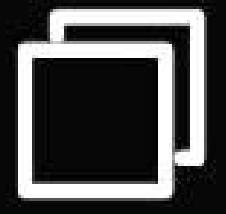


X Terminal



```
Author:Y.Naveen Sai
SAP ID:51834545
enter no.of words
8
enter all words
hello
how
are
you
doing
hope
all
well!
olleh woh era uoy gniod epoh lla !llew
Process finished.
```

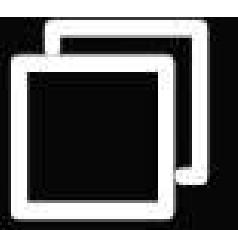
X Terminal



Y.Naveen Sai
51834545
100 sq.in
company is asus
12 gb ram

Process finished.

X Terminal



```
Y.Naveen Sai  
51834545  
enter the n  
5  
1, 1,2, 1,2,3, 1,2,3,4, 1,2,3,4,5,  
Process finished.
```

```
1  ort java.util.Arrays;
2  ort java.util.List;
3  ort java.util.PriorityQueue;
4
5  ss Main
6
7  public static int findKthSmallest(List<Integer> I, int x)
8  {
9      PriorityQueue<Integer> pq = new PriorityQueue<>(I);
10
11     while (--x > 0) {
12         pq.poll();
13     }
14
15     return pq.peek();
16 }
17
18 public static void main(String[] args)
19 {
20     List<Integer> I = Arrays.asList(7, 4, 6, 3, 9, 1);
21     int x = 4;
22
23     System.out.println("Author:Y.Naveen Sai\nSAP ID:51834545");
24     System.out.println("the 4th smallest element in the array
25                         findKthSmallest(I, x));
26 }
27
```

X Terminal



```
Author:Y.Naveen Sai
SAP ID:51834545
the 4th smallest element in the array is 6
```

```
Process finished.
```