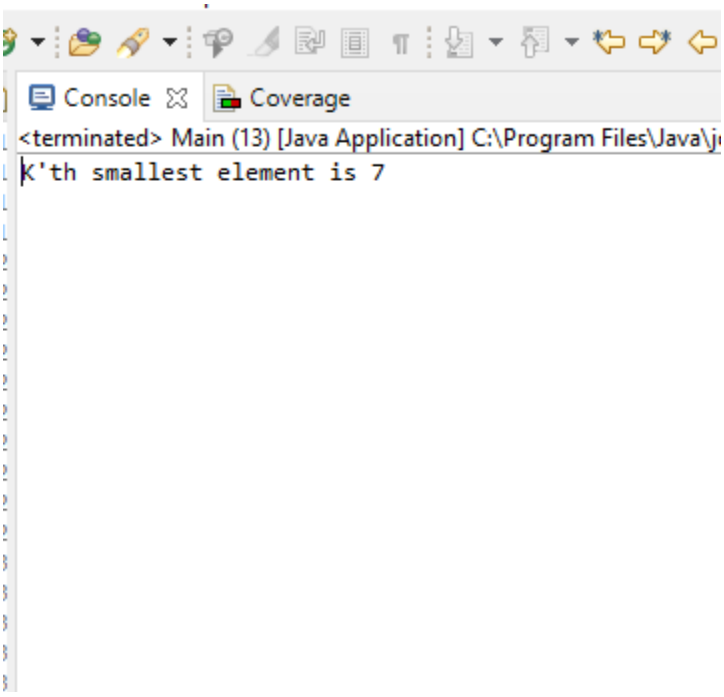
```
class KthSmallst
{
int kthSmallest(int arr[], int l, int r, int k)
	{
			if (k > 0 && k <= r - l + 1)
			{
				int pos = randomPartition(arr, l, r);
				if (pos-l == k-1)
					return arr[pos];
				if (pos-l > k-1)
					return kthSmallest(arr, l, pos-1, k);
				return kthSmallest(arr, pos+1, r, k-pos+l-1);
			}
		return Integer.MAX_VALUE;
	}
    void swap(int arr[], int i, int j)
    {
        int temp = arr[i];
        arr[i] = arr[j];
        arr[j] = temp;
    }
    int partition(int arr[], int l, int r)
    {
        int x = arr[r], i = l;
        for (int j = l; j <= r - 1; j++)
        {
            if (arr[j] <= x)
            {
                swap(arr, i, j);
                i++;
            }
        }
        swap(arr, i, r);
        return i;
    }
    int randomPartition(int arr[], int l, int r)
    {
        int n = r-l+1;
        int pivot = (int)(Math.random()) * (n-1);
        swap(arr, l + pivot, r);
        return partition(arr, l, r);
    }
}
public class Main
{
	public static void main(String[] args) {
		KthSmallst ob = new KthSmallst();
        int arr[] = {12, 3, 5, 7, 4, 19, 26};
        int n = arr.length,k = 4;
        System.out.println("K'th smallest element is "+ ob.kthSmallest(arr, 0, n-1,
k));
    }
}
```


Console
Coverage
<terminated> Main (13) [Java Application] C:\Program Files\Java\j
K'th smallest element is 7