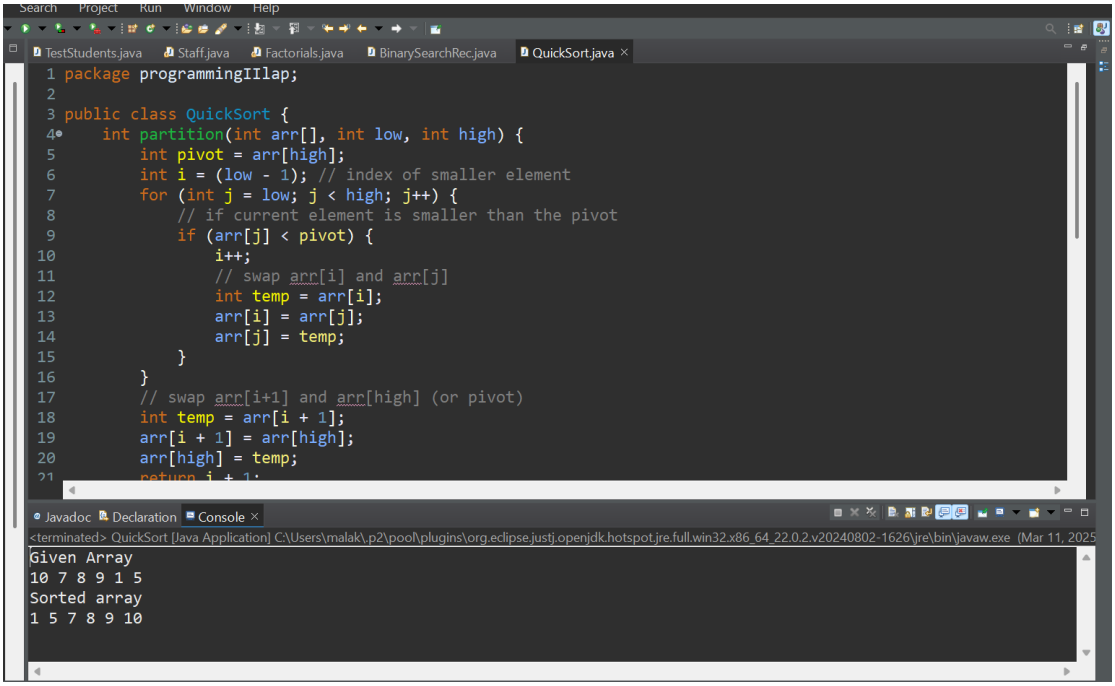
Search Project Run Window Help
TestStudents.java Staff.java Factorials.java BinarySearchRec.java QuickSort.java
1 package programmingIIlap;
2
3 public class QuickSort {
4 int partition(int arr[], int low, int high) {
5 int pivot = arr[high];
6 int i = (low - 1); // index of smaller element
7 for (int j = low; j < high; j++) {
8 // if current element is smaller than the pivot
9 if (arr[j] < pivot) {
10 i++;
11 // swap arr[i] and arr[j]
12 int temp = arr[i];
13 arr[i] = arr[j];
14 arr[j] = temp;
15 }
16 }
17 // swap arr[i+1] and arr[high] (or pivot)
18 int temp = arr[i + 1];
19 arr[i + 1] = arr[high];
20 arr[high] = temp;
21 return i + 1;
Javadoc Declaration Console
<terminated> QuickSort [Java Application] C:\Users\malak\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_22.0.2.v20240802-1626\jre\bin\javaw.exe (Mar 11, 2025
Given Array
10 7 8 9 1 5
Sorted array
1 5 7 8 9 10