Write a Program to Find the Nth Largest Number in a array.

CODE:

import java.util.Arrays;

import java.util.Scanner;

public class NthLargestNumber {

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

// Input array size

System.out.print("Enter the size of the array: ");

int size = scanner.nextInt();

int[] array = new int[size];

// Input array elements

System.out.println("Enter the elements of the array:");

for (int i = 0; i < size; i++) {

array[i] = scanner.nextInt();

}

// Input N

System.out.print("Enter the value of N to find the Nth largest number: ");

int N = scanner.nextInt();

// Find Nth largest number

int nthLargest = findNthLargest(array, N);

// Output

System.out.println("The " + N + "th largest number in the array is: " + nthLargest);

}

// Function to find Nth largest number in the array

public static int findNthLargest(int[] array, int N) {

Arrays.sort(array);

return array[array.length - N];

}

}

OUTPUT:

C:\javap>javac NthLargestNumber.java

C:\javap>java NthLargestNumber

Enter the size of the array: 9

Enter the elements of the array:

9 89 7 74 4 52 10 65 4

Enter the value of N to find the Nth largest number: 5

The 5th largest number in the array is: 10

