SourceCode of Binary Search

**package** BinarySearch;

**import** java.util.Scanner;

**public** **class** BinarySearch {

**public** **static** **void** main(String[] args) {

// **TODO** Auto-generated method stub

**int** arr[] = {11,89,66,56,45,90,77};

System.***out***.println("Enter key for linear search");

Scanner scanner = **new** Scanner(System.***in***);

**int** key = scanner.nextInt();

**int** result =*linearSearch*(arr, key);

**if**(result == -1) {

System.***out***.println("Element not found");

}

**else** {

System.***out***.println("Element found at index "+result);

}

}

**public** **static** **int** linearSearch(**int** arr[],**int** key) {

**int** len = arr.length;

**int** index = -1;

**for** (**int** i = 0; i < len; i++) {

**if**(arr[i] == key) { // if key found in given array

index = i; // index value will update

}

}

**return** index;

}

}