# Programkódok listája

Programkód 1. Bináris keresés Javaban

```
class BinarySearchExample{
 public static void binarySearch(int arr[], int first, int last, int key){
    int mid = (first + last)/2;
    while( first <= last ){
        if ( arr[mid] < key ){
            first = mid + 1;
        }else if ( arr[mid] == key ){
            System.out.println("Element is found at index: " + mid);
            break;
        }else{
            last = mid - 1;
        }
        mid = (first + last)/2;
    }
    if ( first > last ){
        System.out.println("Element is not found!");
    }
 }
 public static void main(String args[]){
        int arr[] = {10,20,30,40,50};
        int key = 30;
        int last=arr.length-1;
        binarySearch(arr,0,last,key);
 }
}
```