11 A. LINEAR SEARCH

```java
package searching;

public class linearSearch {

    // Function to perform linear search

    static void LinearSearch(int[] array, int key) {

        for (int i = 0; i < array.length; i++) {

            if (array[i] == key) {

System.out.println("Element " + key + " found at index " + i);

return;

            }

        }

        System.out.println("Element " + key + " not found in the array");

    }

    public static void main(String[] args) {

        int[] array = {1, 5, 9, 2, 7, 3, 8, 4, 6};

        int key = 7;

        // Perform linear search

        LinearSearch(array, key);

    }

}
```