

```
public class LinearSearchExample {
public static void main(String[] args) {
int[] numbers = {10, 25, 30, 45, 50};

    int target = 30;

    // Variable to store the index if found
    int index = -1;

    // Linear search logic
    for (int i = 0; i < numbers.length; i++) {
        if (numbers[i] == target) {
            index = i; // store the index where target is found
            break;     // exit loop once found
        }
    }

    // Print result
    if (index != -1) {
        System.out.println("Element " + target + " found at index " + index);
    } else {
        System.out.println("Element " + target + " not found in the array.");
    }
}

}
```