**public** **class** TwoSum {

**public** **int**[] twoSum(**int**[] numbers, **int** target) {

**int** left = 0;

**int** right = numbers.length - 1;

**while** (left < right) {

**int** sum = numbers[left] + numbers[right];

**if** (sum == target) {

**return** **new** **int**[]{left + 1, right + 1}; // 1-indexed

} **else** **if** (sum < target) {

left++;

} **else** {

right--;

}

}

// If no solution found

**return** **new** **int**[]{-1, -1};

}

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

TwoSum solution = **new** TwoSum();

**int**[] numbers = {2, 7, 11, 15};

**int** target = 9;

**int**[] result = solution.twoSum(numbers, target);

System.***out***.println("Output: [" + result[0] + ", " + result[1] + "]");

}

}