// assignment 6

//1.

**package** psr;

**import** java.util.\*;

**public** **class** homework{

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

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

**int** n = sc.nextInt();

**int**[] arr = **new** **int**[n];

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

arr[i] = sc.nextInt();

}

Arrays.*sort*(arr);

System.***out***.println(arr[n / 2]);

}

}

//2.

**package** psr;

**import** java.util.Scanner;

**public** **class** homework {

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

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

**int** n = sc.nextInt();

**int**[] nums = **new** **int**[n];

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

nums[i] = sc.nextInt();

}

**int** currentSum = nums[0];

**int** maxSum = nums[0];

**for** (**int** i = 1; i < n; i++) {

currentSum = Math.*max*(nums[i], currentSum + nums[i]);

maxSum = Math.*max*(maxSum, currentSum);

}

System.***out***.println(maxSum);

}

}

//3.

**package** psr;

**import** java.util.Scanner;

**public** **class** homework {

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

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

String s = sc.nextLine().toLowerCase();

**int**[] freq = **new** **int**[26];

// Count character frequencies

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

freq[s.charAt(i) - 'a']++;

}

// Find the first character with frequency 1

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

**if** (freq[s.charAt(i) - 'a'] == 1) {

System.***out***.println(i);

**return**;

}

}

System.***out***.println(-1);

}

}

//4.

**package** psr;

**import** java.util.Scanner;

**public** **class** homework {

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

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

String s1 = sc.nextLine();

String s2 = sc.nextLine();

**if** (s1.length() == s2.length() && (s1 + s1).contains(s2)) {

System.***out***.println("True");

} **else** {

System.***out***.println("False");

}

}

}