





*public class* RiverRecords {

 *public static int* maxTrailing(*List*<Integer> arr) {
 *if* (arr.isEmpty()) *return* -1; *// If the list is empty, return -1

 int* maxTrailingDifference = -1; *// Initialize the maximum trailing difference to -1
 int* minSoFar = arr.get(0); *// Initialize the minimum element seen so far to the first element

 for* (*int* i = 1; i < arr.size(); i++) {
 *int* current = arr.get(i);
 *int* difference = current - minSoFar;

 *if* (difference > 0 && (maxTrailingDifference == -1 || difference > maxTrailingDifference)) {
 maxTrailingDifference = difference;
 }

 *if* (current < minSoFar) {
 minSoFar = current; *// Update the minimum element seen so far* }
 }

 *return* maxTrailingDifference;
 }

 *public static void* main(String[] args) {
 *// Example usage:
 List*<Integer> arr1 = *List*.*of*(2, 3, 10, 2, 4, 8, 1);
 System.*out*.println(*maxTrailing*(arr1)); *// Output: 8

 List*<Integer> arr2 = *List*.*of*(4, 3, 2, 1);
 System.*out*.println(*maxTrailing*(arr2)); *// Output: -1* }
}