Codility_

CodeCheck Report: trainingPBJMWX-D4G
Test Name:

Check out Codility training tasks

Summary Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| BinaryGap<br>Java 8 | 23 min | 100% |

Total score


Tasks Details

Easy

1. BinaryGap
Find longest sequence of zeros in binary representation of an integer.

Task Score 100%

Correctness 100%

Performance Not assessed

Task description

*A binary gap* within a positive integer N is any maximal sequence of consecutive zeros that is surrounded by ones at both ends in the binary representation of N.

Solution

Programming language used: Java 8

Codility_

## CodeCheck Report: training7GQXNK-TE5

Test Name:

Check out Codility training tasks

Summary | Timeline

### Tasks summary

| Task | Time spent | Score |
|---|---|---|
| FrogJmp<br>Java 8 | 6 min | 100% |

### Total score


### Tasks Details

Easy

1. FrogJmp

Count minimal number of jumps from position X to Y.

| Task Score | Correctness | Performance |
|---|---|---|
| 100% | 100% | 100% |

#### Task description

A small frog wants to get to the other side of the road. The frog is currently located at position X and wants to get to a position greater than or equal to Y. The small frog always jumps a fixed distance, D.

#### Solution

| | |
|---|---|
| Programming language used: | Java 8 |
| Total time used: | 6 minutes |

Codility_

CodeCheck Report: trainingSKQFGP-R3A
Test Name:

Check out Codility training tasks

Summary | Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| PassingCars<br>Java 8 | 7 min | 100% |

Total score


Tasks Details

Easy

1. PassingCars
Count the number of passing cars on the road.

| Task Score | Correctness | Performance |
| --- | --- | --- |
| 100% | 100% | 100% |

Task description

A non-empty array A consisting of N integers is given. The consecutive elements of array A represent consecutive cars on a road.

Array A contains only 0s and/or 1s:

Solution

| | |
| --- | --- |
| Programming language used: | Java 8 |
| Total time used: | 7 minutes |

Codility_

CodeCheck Report: trainingW35F9D-ZG6
Test Name:

Check out Codility training tasks

Summary Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| Fish<br>Java 8 | 14 min | 100% |

Total score


Tasks Details

Easy

1. Fish
N voracious fish are moving along a river. Calculate how many fish are alive.

| Task Score | Correctness | Performance |
| --- | --- | --- |
| 100% | 100% | 100% |

Task description

You are given two non-empty arrays A and B consisting of N integers. Arrays A and B represent N voracious fish in a river, ordered downstream along the flow of the river.

Solution

Programming language used: Java 8

Codility_

CodeCheck Report: training2YQM9H-J4P

Test Name:

Check out Codility training tasks

Summary | Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| MaxProfit JavaScript | 11 min | 100% |

Total score


Tasks Details

Easy

1. MaxProfit

Given a log of stock prices compute the maximum possible earning.

| Task Score | Correctness | Performance |
| --- | --- | --- |
| 100% | 100% | 100% |

Task description

An array A consisting of N integers is given. It contains daily prices of a stock share for a period of N consecutive days. If a single share was bought on day P and sold on day Q, where 0 ≤ P ≤ Q < N, then the profit of such transaction is equal to A[Q] − A[P]

Solution

Programming language used: JavaScript

Codility_

CodeCheck Report: training2YQM9H-J4P

Test Name:

Check out Codility training tasks

Summary | Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| MaxProfit JavaScript | 11 min | 100% |

Total score


Tasks Details

Easy

1. MaxProfit

Given a log of stock prices compute the maximum possible earning.

| Task Score | Correctness | Performance |
| --- | --- | --- |
| 100% | 100% | 100% |

Task description

An array A consisting of N integers is given. It contains daily prices of a stock share for a period of N consecutive days. If a single share was bought on day P and sold on day Q, where 0 ≤ P ≤ Q < N, then the profit of such transaction is equal to A[Q] − A[P]

Solution

Programming language used: JavaScript

Codility_

CodeCheck Report: training4E5FZ7-DWT
Test Name:

Check out Codility training tasks

Summary Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| MissingInteger PHP | 28 min | 100% |

Total score


Tasks Details

Medium

1. MissingInteger
Find the smallest positive integer that does not occur in a given sequence.

Task Score 100%
Correctness 100%
Performance 100%

Task description

This is a demo task.

Write a function:

Solution

Programming language used: PHP

Codility_

CodeCheck Report: training5VRTKA-9CH
Test Name:

Check out Codility training tasks

Summary | Timeline

Tasks summary

| Task | Time spent | Score |
|---|---|---|
| Triangle<br>Java 8 | 12 min | 100% |

Total score


Tasks Details

Easy

1. Triangle
Determine whether a triangle can be built from a given set of edges.

| Task Score | Correctness | Performance |
|---|---|---|
| 100% | 100% | 100% |

Task description

An array A consisting of N integers is given. A triplet (P, Q, R) is *triangular* if 0 ≤ P < Q < R < N and:

Solution

Programming language used: Java 8

Codility_

CodeCheck Report: trainingQ4ADFK-P7Q
Test Name:

Check out Codility training tasks

Summary | Timeline

## Tasks summary

| Task | Time spent | Score |
|---|---|---|
| Flags<br>Java 8 | 27 min | 100% |

## Total score


## Tasks Details

Medium

1. Flags
Find the maximum number of flags that can be set on mountain peaks.

| Task Score | Correctness | Performance |
|---|---|---|
| 100% | 100% | 100% |

### Task description

A non-empty array A consisting of N integers is given.

A *peak* is an array element which is larger than its neighbours. More precisely, it is an

### Solution

Programming language used: Java 8

Codility_

CodeCheck Report: trainingZTAZ2X-B8W
Test Name:

Check out Codility training tasks

Summary Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| NailingPlanks<br>Java 8 | 5 min | 100% |

Total score


Tasks Details

Medium

1. NailingPlanks
Count the minimum number of nails that allow a series of planks to be nailed.

| Task Score | Correctness | Performance |
| --- | --- | --- |
| 100% | 100% | 100% |

Task description

You are given two non-empty arrays A and B consisting of N integers. These arrays represent N planks. More precisely, A[K] is the start and B[K] the end of the K-th plank.

Solution

Programming language used: Java 8

Codility_

CodeCheck Report: training8T7BVX-YDP
Test Name:

Check out Codility training tasks

Summary Timeline

Tasks summary

| Task | Time spent | Score |
| --- | --- | --- |
| MinAbsSum<br>Java 8 | 10 min | 100% |

Total score


Tasks Details

Hard

1. MinAbsSum
Given array of integers, find the lowest absolute sum of elements.

| Task Score | Correctness | Performance |
| --- | --- | --- |
| 100% | 100% | 100% |

Task description

For a given array A of N integers and a sequence S of N integers from the set {−1, 1}, we define val(A, S) as follows:

Solution

Programming language used: Java 8