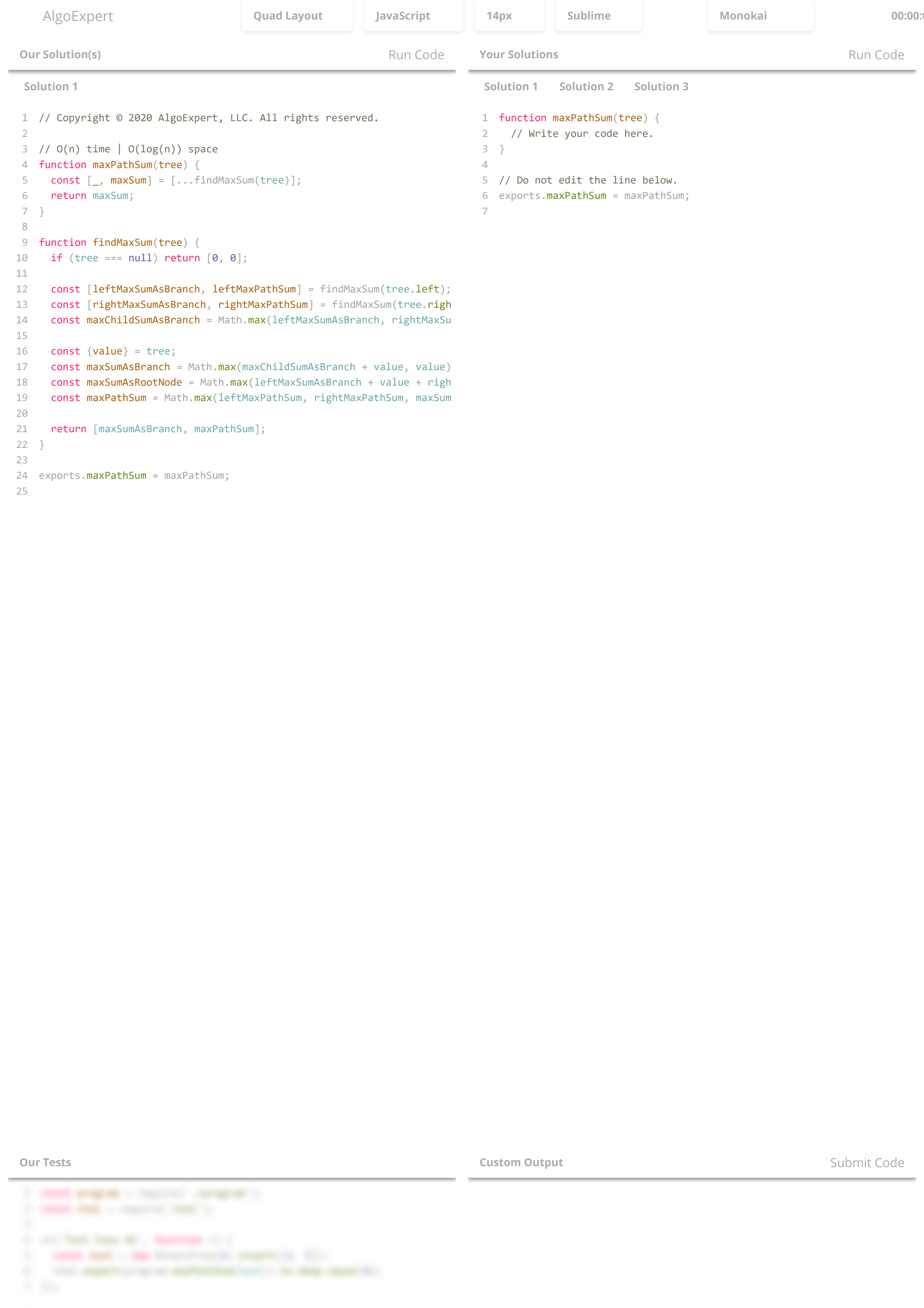

Our Solution(s)

Solution 1

```
// Copyright © 2020 AlgoExpert, LLC. All rights reserved.

// O(n) time | O(log(n)) space
function maxPathSum(tree) {
  const [_, maxSum] = [...findMaxSum(tree)];
  return maxSum;
}

function findMaxSum(tree) {
  if (tree === null) return [0, 0];

  const [leftMaxSumAsBranch, leftMaxPathSum] = findMaxSum(tree.left);
  const [rightMaxSumAsBranch, rightMaxPathSum] = findMaxSum(tree.righ
  const maxChildSumAsBranch = Math.max(leftMaxSumAsBranch, rightMaxSu

  const {value} = tree;
  const maxSumAsBranch = Math.max(maxChildSumAsBranch + value, value)
  const maxSumAsRootNode = Math.max(leftMaxSumAsBranch + value + righ
  const maxPathSum = Math.max(leftMaxPathSum, rightMaxPathSum, maxSum

  return [maxSumAsBranch, maxPathSum];
}

exports.maxPathSum = maxPathSum;
```

Your Solutions

Solution 1 Solution 2 Solution 3

```
function maxPathSum(tree) {
  // Write your code here.
}

// Do not edit the line below.
exports.maxPathSum = maxPathSum;
```

Our Tests

[illegible]

Custom Output

Run or submit code when you're ready.