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## Section - 1

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C (gcc 4.8.3) ▼



▶ Compile &amp; Run

O/P »

```
1 #include <stdio.h>
```

## Calculate the total volume of water

John likes to conserve water. On a rainy day, he wants to calculate how many unite of water he can conserve between buildings. Help him to solve his problem.

Given an array A where each element denotes the height of blocks, calculate the total volume of water that can be trapped when it rains.

Note: one cubic block has a volume of 1 unit.

Example:

A: [ 1, 0, 2, 1, 0, 1, 3, 2, 1, 2, 1 ]

The total volume of water is  $1 + 3 + 1 + 1 = 6$  units.



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