3. You are a data analyst for a logistics company that tracks the fuel consumption of delivery vehicles throughout their routes. The company wants to optimize fuel usage by analyzing the remaining fuel capacity after each delivery point.

The goal is to compute the postfix sum of the fuel consumption array, where each element in the array represents the fuel consumed at a specific delivery point. The postfix sum at any given point is the total fuel consumption from that point to the end of the route.

Input

An array Fuel[] of m integers representing the fuel consumed at each delivery point.

Output

An array PostfixSum[] of m integers where PostfixSum[i] is the total fuel consumption from delivery point i to the end of the route.

Example

Input:

Fuel[] = [5, 10, 3, 7, 8]

Output:

PostfixSum[] = [33, 28, 18, 15, 8]

```java
import java.util.Arrays;

class PostfixSumCalculator {
    Run main | Debug main | Run | Debug
    public static void main(String[] args) {
        int[] fuel = {5, 10, 3, 7, 8};
        int[] postfixSum = new int[fuel.length];

        int sum = 0;
        for (int i = fuel.length - 1; i >= 0; i--) {
            sum += fuel[i];
            postfixSum[i] = sum;
        }

        System.out.println("PostfixSum: " + Arrays.toString(postfixSum));
    }
}
```

PROBLEMS 6   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

PS C:\Users\vivek> & 'C:\Program Files\Eclipse Adoptium\jdk-21.0.4.7-hotspot\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\vivek\AppData\Local\Temp\vscodews_f39ab\jdt_ws\jdt.ls-java-project\bin' 'PostfixSumCalculator'
PostfixSum: [33, 28, 18, 15, 8]