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3. Write a program in Java to find the sum of n number of elements in the range of L and R where 0
<= L <= R <= n-1
import java.util.Scanner;
public class SumInRange {
  public static void main(String[] args) {
    Scanner scanner = new Scanner(System.in);
    // Read the number of elements
    System.out.print("Enter the number of elements: ");
    int n = scanner.nextInt();
    // Read the range
    System.out.print("Enter the starting index (L): ");
    int L = scanner.nextInt();
    System.out.print("Enter the ending index (R): ");
    int R = scanner.nextInt();
    // Validate the range
    if (L < 0 | | R >= n | | L > R) {
      System.out.println("Invalid range!");
      return;
    }
    // Read the elements
    int[] array = new int[n];
    System.out.println("Enter the elements:");
    for (int i = 0; i < n; i++) {
      array[i] = scanner.nextInt();
    }
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// Calculate the sum
int sum = 0;
for (int i = L; i <= R; i++) {
    sum += array[i];
}

System.out.println("The sum of elements in the range [" + L + ", " + R + "] is: " + sum);
}</pre>
```