

3. Write a program in Java to find the sum of n number of elements in the range of L and R where $0 \leq L \leq R \leq n-1$

```
package OnlinePractice3;
import java.util.*;
public class SumElement {
    public static void main(String[] args) {
        Scanner sc = new Scanner(System.in);
        System.out.print("Enter size of array element :");
        int n=sc.nextInt();
        System.out.println("Enter array element : ");
        int arr[] = new int[n];
        for(int i = 0 ; i<arr.length ;++i) {
            arr[i]=sc.nextInt();
        }
        System.out.print("Enter the left range (L): ");
        int l = sc.nextInt();
        System.out.print("Enter the right range (R): ");
        int r = sc.nextInt();

        // sum of element an array
        int sum =0;
        for(int i=l ; i<=r ;++i) {
            if (i >= 0 && i < n) {
                sum = sum+arr[i];
            }
            else {
                System.out.println("Invalid range");
                return ;
            }
        }
        System.out.print("Sum :"+ sum);
    }
}
```

output-

```
Enter size of array element :5
Enter array element :
12
67
9
66
12
Enter the left range (L): 1
Enter the right range (R): 4
Sum :154
```