

```
package com.simpli;
```

```
import java.util.Scanner;
```

```
public class SumInRange {
```

```
    public static void main(String[] args) {
```

```
        Scanner scanner = new Scanner(System.in);
```

```
        System.out.print("Enter the number of elements (n): ");
```

```
        int n = scanner.nextInt();
```

```
        int[] array = new int[n];
```

```
        System.out.println("Enter the elements:");
```

```
        for (int i = 0; i < n; i++) {
```

```
            array[i] = scanner.nextInt();
```

```
        }
```

```
        System.out.print("Enter the starting index (L): ");
```

```
        int L = scanner.nextInt();
```

```
        System.out.print("Enter the ending index (R): ");
```

```
        int R = scanner.nextInt();
```

```
        int sum = calculateSumInRange(array, L, R);
```

```
        System.out.println("Sum of elements in the range [" + L + ", " + R + "]: " + sum);
```

```
    }
```

```
    public static int calculateSumInRange(int[] array, int L, int R) {
```

```
        if (L < 0 || R >= array.length || L > R) {
```

```
            throw new IllegalArgumentException("Invalid range");
```

```
    }  
  
    int sum = 0;  
    for (int i = L; i <= R; i++) {  
        sum += array[i];  
    }  
  
    return sum;  
}  
}
```

