Given an array arr[] of size N and an integer K. The task is to find the last remaining element in the array after reducing the array.

// Java program to find the value of the

public class GFG {

// Function to find the value of the

// reduced Array by reducing the array

// based on the given conditions

public static int find\_value(int a[], int n, int k)

{

// Variable to store the sum

int sum = 0;

// For loop to iterate through the

// given array and find the sum

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

sum += a[i];

}

// Return the required value

return sum % k;

}

// Driver code

public static void main(String[] args)

{

int n = 5, k = 3;

int a[] = { 12, 4, 13, 0, 5 };

System.out.println(find\_value(a, n, k));

}

}

**OUTPUT**

