

*Bhomi wants to test her brother's problem-solving skills, so she decided to give him a fun task. Given a string str, which consists only of lowercase English letters and an array of numbers array, increment each letter by array[k] times and print the corresponding letter. If the letter goes beyond 'z' print the next letter that comes in the cyclic order.*

#### **Sample Output**

##### **Test Case 1**

**Input**

abc

2

20 30

**Output**

efg

##### **Test Case 2**

**Input**

xyz

2

2 3

**Output**

cde

#### **Code**

```
import java.util.*;
public class TestClass{
    public static void main(String args[]){
        Scanner sc=new Scanner(System.in);
        String str=sc.nextLine();
        String str1="";
        int n=sc.nextInt();
        int[] arr=new int[n];
        int a=0;
        for(int i=0;i<n;i++){
            arr[i]=sc.nextInt();
        }
        for(int i=0;i<n;i++){
            {
                a=a+arr[i];
            }
        }
        for(int j=0;j<str.length();j++){
            {
```

```
int ascii=str.charAt(j);
int b=a;
if(ascii+a>122)
{
a=(ascii+a)-122;
a=a%26;
str1=str1+(char)(ascii+a);
}
else
{
Str1=str1+(char)(ascii+a);
}
a=b;
}
System.out.println(str1);
}
}
```