import java.util.\*;  
import java.util.Random;  
public class Main  
{  
String encryption(String str, Integer value) {  
String encryptedString = "";  
for(int i=0;i<str.length();i++) {  
char c = (char) (str.charAt(i) + value%26);  
encryptedString = encryptedString + c;  
}  
return encryptedString;  
}  
String decryption(String str, Integer value) {  
String decryptedString = "";  
for(int i=0;i<str.length();i++) {  
char c = (char) (str.charAt(i) - value%26);  
decryptedString = decryptedString + c;  
}  
return decryptedString;  
}  
int sumArray(Integer arr[]) {  
int sum = 0;  
for(int i=0;i<5;i++) {  
sum = sum + arr[i];  
}  
return sum;  
}  
boolean checkNumber(Integer arr[], int n) {  
boolean test = Arrays.asList(arr).contains(n);  
return test;  
}  
   public static void main(String[] args) {  
   Main lab2= new Main();  
   Scanner sc= new Scanner(System.in);  
    
   System.out.print("Enter the value by which you want to encrypt or decrypt the string: ");  
Integer value = sc.nextInt();  
sc.nextLine();  
    
   System.out.print("Enter a string to encrypt: ");  
String str1= sc.nextLine();  
System.out.println("Encrypted String: " + lab2.encryption(str1,value));  
    
System.out.print("Enter a string to decrypt: ");  
String str2= sc.nextLine();  
System.out.println("Decryted String: " + lab2.decryption(str2,value));  
    
Random rd = new Random();  
Integer arr[] = new Integer[5];  
for(int i=0;i<5;i++) {  
arr[i] = rd.nextInt(100);  
System.out.println(arr[i]);  
}  
System.out.print("Elements of array are: ");  
for(int i=0;i<5;i++) {  
arr[i] = rd.nextInt(100);  
System.out.print(arr[i]+" ");  
}  
System.out.println();  
System.out.println("Sum of array elements: "+lab2.sumArray(arr));  
    
System.out.println("Enter the element you want to find: ");  
Integer n = sc.nextInt();  
sc.nextLine();

if(lab2.checkNumber(arr,n)) {  
System.out.println("element found");  
} else {  
System.out.println("element not found");  
}  
   }  
}

**Output:**

****