

## Program:- Replace element of array list

```
package com.ishwarchavan;
import java.io.*;
import java.util.*;

public class ReplaceElementInArray{           //class is created
public static void main(String[] args) {      //main program is started

    try {                                     // Try block to
check for exceptions

ArrayList<String> list = new ArrayList<>();    // Creating an object of Arraylist

    list.add("Rohit Sharma");                // Adding elements to the List
    list.add("Sachin Tendulkar");
    list.add("Virat Kohli");
    list.add("Shubham Gill");

    System.out.println(list);                 //printing list
    list.set(1, "Ishan Kishan");              //adding and replacing element

    System.out.println(list); //printing updated element list
    }
    catch (Exception e) {
    System.out.println(e);                    //catching exception
    }
    }
}
```

## Program:-Number of subarray with lcm is equal to k

```
package com.ishwarchavan;
import java.io.*;

public class NumberOfSubArrayWithLcm{ //class is created
    static int gcd(int a, int b)      // Function to calculate GCD
    {
        return b == 0 ? a : gcd(b, a % b); //checking condition with
ternary operator
    }
    static int LCM(int a, int b)       // Calculate LCM between a and b
    {
        int prod = a * b; //muliply between a and b
        return prod / gcd(a, b);
    }
    static int subarrayEqualsLCMSize(int[] arr, int k,
                                     int S, int N)
    //function is created to find subarry
    {
        int count = 0; // initialize and declaring counter

        for (int i = 0; i < N; i++) { // Generating all subarrays
            int lcm = arr[i];
            for (int j = i; j < N; j++) {

                lcm = LCM(lcm, arr[j]); // Function call to calculate lcm
                if (lcm == k && j - i + 1 == S) { //checking condition
                    count++;
                }
                if (lcm > k) { // if true then break the loops

```

```

        break;
    }
}
return count;    //return counter
}

public static void main(String[] args)    //main program is started
{
    int[] arr = { 3, 6, 2, 7, 1 };
    int N = arr.length;
    int K = 6, S = 2;
    System.out.print(subarrayEqualsLCMSize(arr, K, S, N)); //calling function
and displying the value
}
}

```