

## Remove 3 Multiples(---RETIRED---)

**Grade settings:** Maximum grade: 100

**Disable external file upload, paste and drop external content:** Yes

**Based on:** [Remove 3 Multiples\(---RETIRED---\)](#)

**Run:** Yes **Evaluate:** Yes

**Automatic grade:** Yes

Write a program that accepts an ArrayList of integers as input and removes every 3rd element and prints the final ArrayList.

Suppose the given arrayList contains 10 elements remove the 3rd, 6th and 9th elements.

Include a class **UserMainCode** with a static method "**removeMultiplesOfThree**" that accepts an ArrayList<Integer> as argument and returns an ArrayList<Integer>.

Create a class **Main** which would get the required input and call the static method **removeMultiplesOfThree** present in the UserMainCode.

### Input and Output Format:

The first line of the input consists of an integer n, that corresponds to the number of elements to be added in the ArrayList.

The next n lines consist of integers that correspond to the elements in the ArrayList.

Output consists of an ArrayList of integers.

### Sample Input:

6

3

1

11

19

17

19

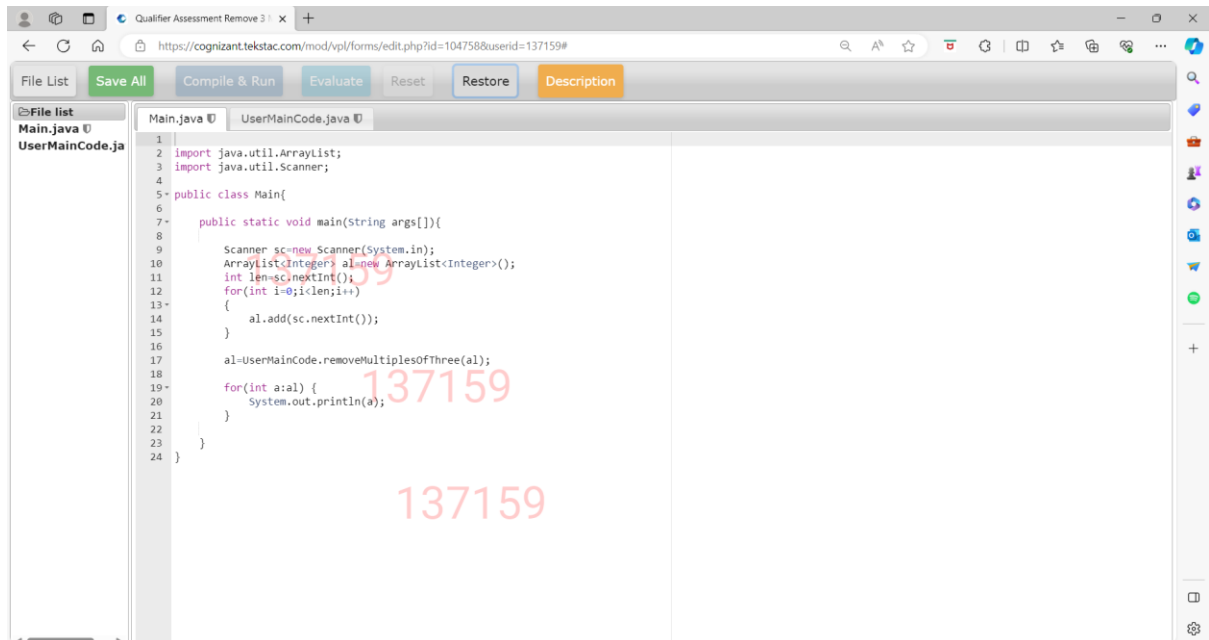
### Sample Output

3

1

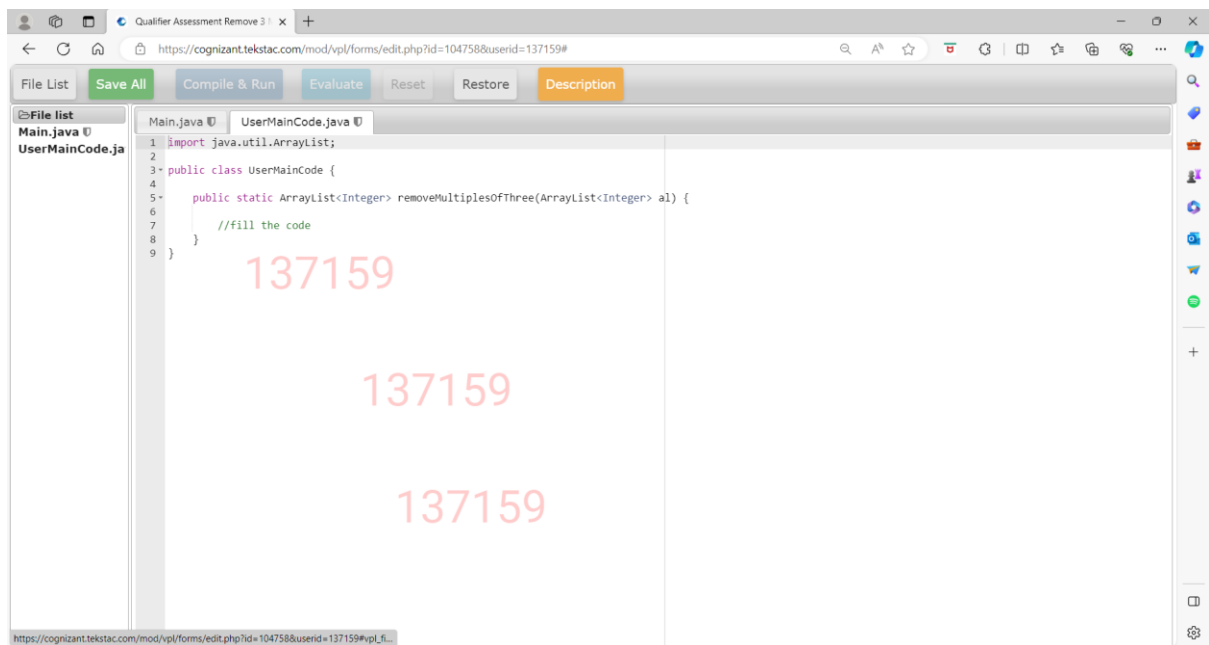
19

17



The screenshot shows a web browser window with the URL <https://cognizant.tekstac.com/mod/vpl/forms/edit.php?id=104758&userid=137159#>. The page has a toolbar with buttons: File List, Save All, Compile & Run, Evaluate, Reset, Restore, and Description. On the left, a 'File list' sidebar shows 'Main.java' and 'UserMainCode.java'. The main editor displays the code for 'Main.java' with line numbers 1 through 24. The code imports `java.util.ArrayList` and `java.util.Scanner`, defines a `Main` class with a `main` method, reads input into a scanner, creates an `ArrayList`, adds elements, and calls `removeMultiplesOfThree` from `UserMainCode`.

```
1 import java.util.ArrayList;
2 import java.util.Scanner;
3
4 public class Main{
5     public static void main(String args[]){
6
7         Scanner sc=new Scanner(System.in);
8         ArrayList<Integer> al=new ArrayList<Integer>();
9         int len=sc.nextInt();
10        for(int i=0;i<len;i++){
11            {
12                al.add(sc.nextInt());
13            }
14        }
15        al=UserMainCode.removeMultiplesOfThree(al);
16        for(int a:al) {
17            System.out.println(a);
18        }
19    }
20 }
21
22
23
24 }
```



The screenshot shows the same web browser window, but the 'UserMainCode.java' file is selected in the editor. The code defines a `UserMainCode` class with a `removeMultiplesOfThree` method that takes an `ArrayList<Integer>` and returns an `ArrayList<Integer>`. The method body is currently empty, with a comment `//fill the code`.

```
1 import java.util.ArrayList;
2
3 public class UserMainCode {
4
5     public static ArrayList<Integer> removeMultiplesOfThree(ArrayList<Integer> al) {
6
7         //fill the code
8     }
9 }
```