import java.util.Arrays;

import java.util.Scanner;

public class Main {

public static Scanner obj = new Scanner(System.in);

public int[] data;

public Main(int[] values) {

if (values == null) {

throw new RuntimeException("Values passed cannot be null");

}

this.data = values;

}

/\*\*

For this method, you will need to iterate through a list of ints and populate a return array with the correct values according to the rules of FizzBuzz.FizzBuzz is a common practice algorithm used when screening candidates.The rules are as follows:

If the int is a multiples of three print â€œFizzâ€�

If the int is a multiples of five print â€œBuzzâ€�

If the int is a multiple of three and five print "FizzBuzz"

For example, if the array sent into the method contains the following ints [ 0, 1, 2, 3, 5, 10, 15, 7, 16], the returned Object array will be [0, 1, 2, "Fizz", "Buzz", "Buzz", "FizzBuzz", 7, 16]

Note that the method should accept an int array int[] data, and return an object array Object[].

\* @param data

\* @return

\*/

public Object[] convertToFizzBuzz(int [] data) {

Object arr[];

arr = new Object[data.length];

for(int i = 0; i<data.length; i++)

{

if(data[i]%15==0)

{

arr[i] = "FizzBuzz";

}

else if(data[i]%5 == 0)

{

arr[i] = "Buzz";

}

else if(data[i]%3 == 0)

{

arr[i] = "Fizz";

}

else

{

arr[i] = data[i];

}

}

return arr;

}

public static void main(String [] args)

{

System.out.println("Enter the number of elements: ");

int n = obj.nextInt();

int values[] = new int[n];

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

{

values[i] = obj.nextInt();

}

Main f = new Main(values);

System.out.println(Arrays.toString(f.convertToFizzBuzz(values)));

}

}