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//OddEvenList
// Yashas Ravi



public class OddEven {

	public static void main(String[] args) {
		// TODO Auto-generated method stub

		int [] odd = new int [100];
		int [] even = new int [100];

		int lsizeodd = 0;
		int lsizeeven = 0;
		int a;

		for (int i = 0; i < 100; i++ ) {
			a = (int) (1000*Math.random());

			if (a %2 == 0) {
				lsizeeven ++;
				even[lsizeeven - 1] = a;
			}

			else {
				lsizeodd ++;
				odd[lsizeodd - 1] = a;
			}
		}

		System.out.println("The odd elements are");

		for (int j = 0; j < lsizeodd; j++) {
			System.out.print(odd[j] + " ");
			if ((j+1) % 10 == 0 || j == lsizeodd - 1) {
				System.out.println();
			}
		}

		System.out.println("The even elements are");

		for (int k = 0; k < lsizeeven; k++) {
			System.out.print(even[k] + " ");
```

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                if ((k+1) % 10 == 0 || k == lsizeeven - 1) {
                        System.out.println();
                }
        }


        System.out.println("The physical size for odd is " + odd.length + "\nThe physical size for even is " + even.length);

    }

}
```