

PRACTICA DE PROGRAMACION III

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Ejercicio de mostrar la suma de los unos de cada línea.

```
package practica23_10_2024;
```

```
import java.util.*;
```

```
public class Practica23_10_2024 {
```

```
    public static void main(String[] args) {
```

```
        LinkedList<Character> v = new LinkedList<Character>();
```

```
        Random r = new Random();
```

```
        for (int i = 1; i <= 100; i++) {
```

```
            int a = r.nextInt(2);
```

```
            char c = (char)(a + 48);
```

```
            v.add(c);
```

```
        }
```

```
        for (int i = 0; i < 100; i++) {
```

```
            if ((i + 1) % 20 == 0) {
```

```
                System.out.println(v.get(i));
```

```
            } else {
```

```
                System.out.print(v.get(i));
```

```
            }
```

```
        }
```

```

for (int j = 0; j < 20; j++) {
    int sumaColumna = 0;
    for (int k = j; k < v.size(); k += 20) {
        if (v.get(k) == '1') {
            sumaColumna += 1;
        }
    }
    System.out.print(sumaColumna + " ");
}
}
}

```

Ejecución del código

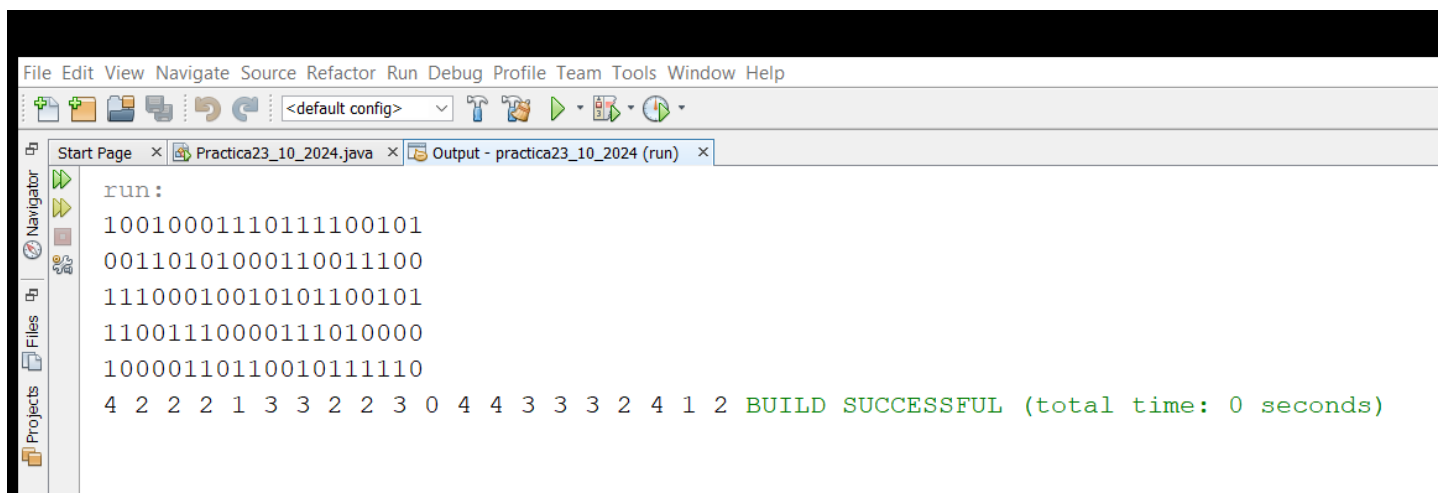











Imagen del código y ejecución

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```
1 package practica23_10_2024;
2 import java.util.*;
3
4 public class Practica23_10_2024 {
5
6     public static void main(String[] args) {
7         LinkedList<Character> v = new LinkedList<Character>();
8         Random r = new Random();
9         for (int i = 1; i <= 100; i++) {
10             int a = r.nextInt(2);
11             char c = (char) (a + 48);
12             v.add(c);
13         }
14         for (int i = 0; i < 100; i++) {
15             if ((i + 1) % 20 == 0) {
16                 System.out.println(v.get(i));
17             } else {
18                 System.out.print(v.get(i));
19             }
20         }
21         for (int j = 0; j < 20; j++) {
22             int sumaColumna = 0;
23             for (int k = j; k < v.size(); k += 20) {
24                 if (v.get(k) == '1') {
25                     sumaColumna += 1;
26                 }
27             }
28             System.out.print(sumaColumna + " ");
29         }
30     }
31 }
32
```