

```
public class Ejercicios01de03 {
```

```
    public static void main(String[] args) {  
        // TODO Auto-generated method stub  
  
        String nombreE = "Elizabeth";  
        int c=0;  
  
        System.out.println ("Cantidad de letras: " + nombreE.length());  
  
        for(int i=0; i<nombreE.length();i++)  
        {  
            if (nombreE.charAt(i)=='e')  
            {  
                c++;  
            }  
        }  
  
        {  
            System.out.println("Cantidad de letras e "+c);  
        }  
    }  
}
```

```
import java.util.Arrays;

public class Ejercicio02de03 {

    public static void main(String[] args) {

        // TODO Auto-generated method stub

        int numeros[] = {20,60,40};

        Arrays.sort(numeros);

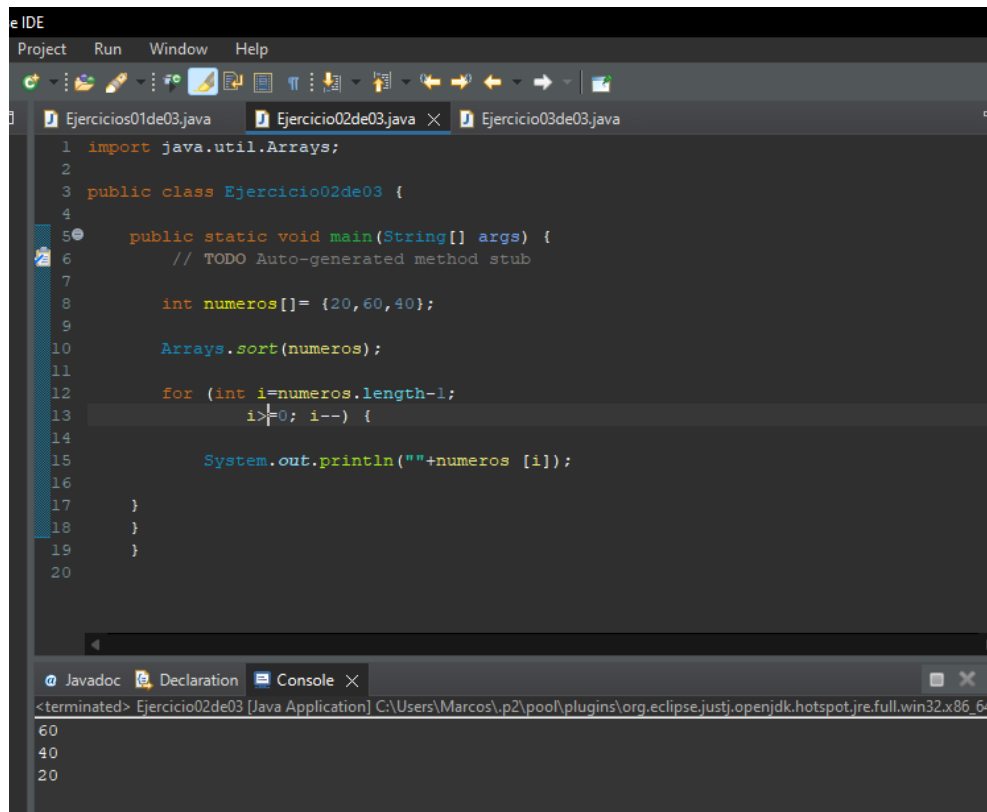
        for (int i=0; i<=numeros.length; i++) {

            System.out.println(""+numeros [i]);

        }

    }

}
```



The screenshot shows an IDE window with the following code in `Ejercicio02de03.java`:

```
1 import java.util.Arrays;
2
3 public class Ejercicio02de03 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8         int numeros[] = {20,60,40};
9
10        Arrays.sort(numeros);
11
12        for (int i=numeros.length-1;
13            i>=0; i--) {
14
15            System.out.println(""+numeros [i]);
16
17        }
18    }
19 }
20
```

The console output at the bottom shows the results of the program execution:

```
<terminated> Ejercicio02de03 [Java Application] C:\Users\Marcos\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64
60
40
20
```

The screenshot shows an IDE window with a Java file named `EjercicioVector.java`. The code defines a public class `EjercicioVector` with a `main` method. Inside the `main` method, an integer array `arreglo` of size 3 is created and initialized with values 5, 10, and 15. The program then prints the sum of the array elements. The console output shows the sum of the array.

```
1 public class EjercicioVector {
2
3     public static void main(String[] args) {
4         // TODO Auto-generated method stub
5
6         int arreglo [] = new int [3];
7
8         arreglo[0] = 5;
9         arreglo[1] = 10;
10        arreglo[2] = 15;
11
12        System.out.println("Suma del arreglo");
13
14        for (int i = 0; i<3; i++) {
15            System.out.println(arreglo[i]);
16        }
17    }
18 }
19
20
21
22
```

Console Output:

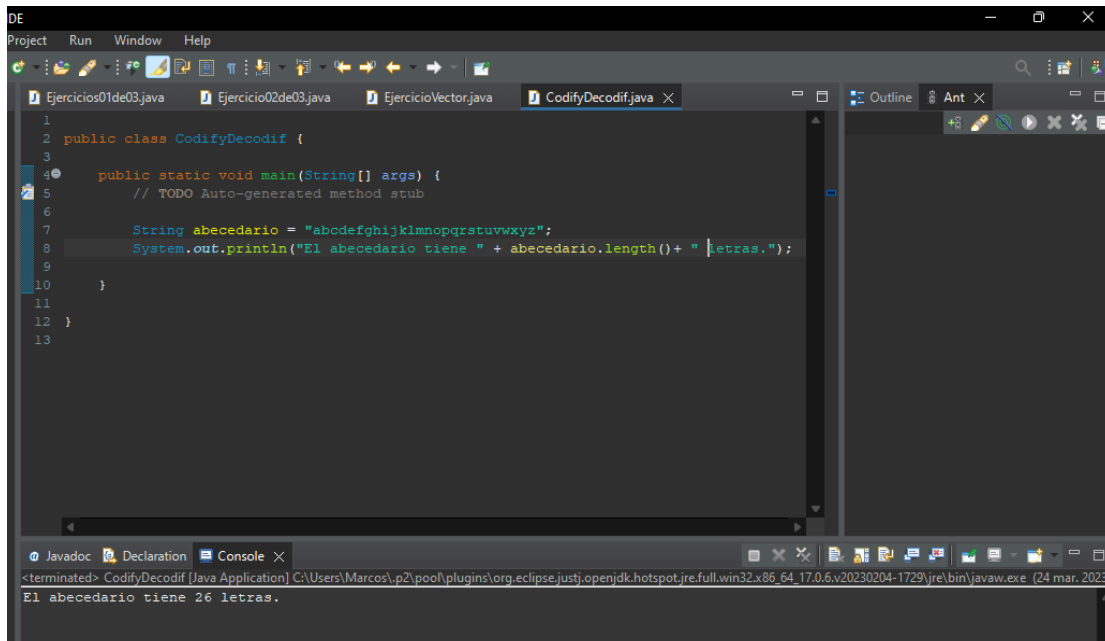
```
<terminated> EjercicioVector [Java Application] C:\Users\Marcos\AppData\Local\Temp\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (23 mar. 2023)
Suma del arreglo
5
10
15
```

The screenshot shows the same IDE window with the `EjercicioVector.java` file. The code is updated to calculate the sum of the array elements. A variable `suma` is declared and initialized to 0. The `main` method then iterates through the array, adding each element to `suma`. Finally, the program prints the total sum. The console output shows the sum of the array and the total sum.

```
2 public class EjercicioVector {
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6
7         int arreglo [] = new int [3];
8
9         arreglo[0] = 5;
10        arreglo[1] = 10;
11        arreglo[2] = 15;
12
13        System.out.println("Suma del arreglo");
14
15        for (int i = 0; i<3; i++) {
16            System.out.println(arreglo[i]);
17        }
18
19        int suma;
20
21        suma= arreglo[0] + arreglo [1] + arreglo [2];
22
23        System.out.println("La Suma de los numeros del arreglo es: " +suma);
24    }
25 }
```

Console Output:

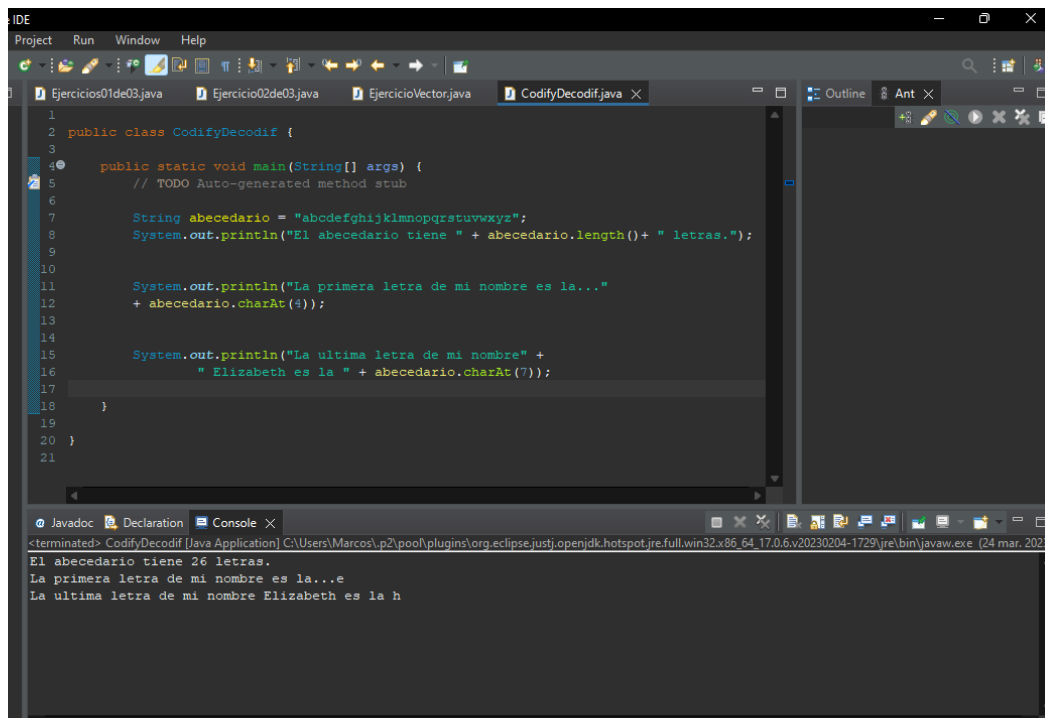
```
<terminated> EjercicioVector [Java Application] C:\Users\Marcos\AppData\Local\Temp\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (23 mar. 2023)
Suma del arreglo
5
10
15
La Suma de los numeros del arreglo es: 30
```



```
1 public class CodifyDecodif {
2
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6
7         String abecedario = "abcdefghijklmnopqrstuvwxyz";
8         System.out.println("El abecedario tiene " + abecedario.length() + " letras.");
9     }
10
11 }
12
13
```

Console output:

```
<terminated> CodifyDecodif [Java Application] C:\Users\Marcos\AppData\Local\Temp\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (24 mar. 2023)
El abecedario tiene 26 letras.
```



```
1 public class CodifyDecodif {
2
3
4     public static void main(String[] args) {
5         // TODO Auto-generated method stub
6
7         String abecedario = "abcdefghijklmnopqrstuvwxyz";
8         System.out.println("El abecedario tiene " + abecedario.length() + " letras.");
9
10
11         System.out.println("La primera letra de mi nombre es la..."
12             + abecedario.charAt(4));
13
14         System.out.println("La ultima letra de mi nombre" +
15             " Elizabeth es la " + abecedario.charAt(7));
16
17     }
18
19 }
20
21
```

Console output:

```
<terminated> CodifyDecodif [Java Application] C:\Users\Marcos\AppData\Local\Temp\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.6.v20230204-1729\jre\bin\javaw.exe (24 mar. 2023)
El abecedario tiene 26 letras.
La primera letra de mi nombre es la...e
La ultima letra de mi nombre Elizabeth es la h
```