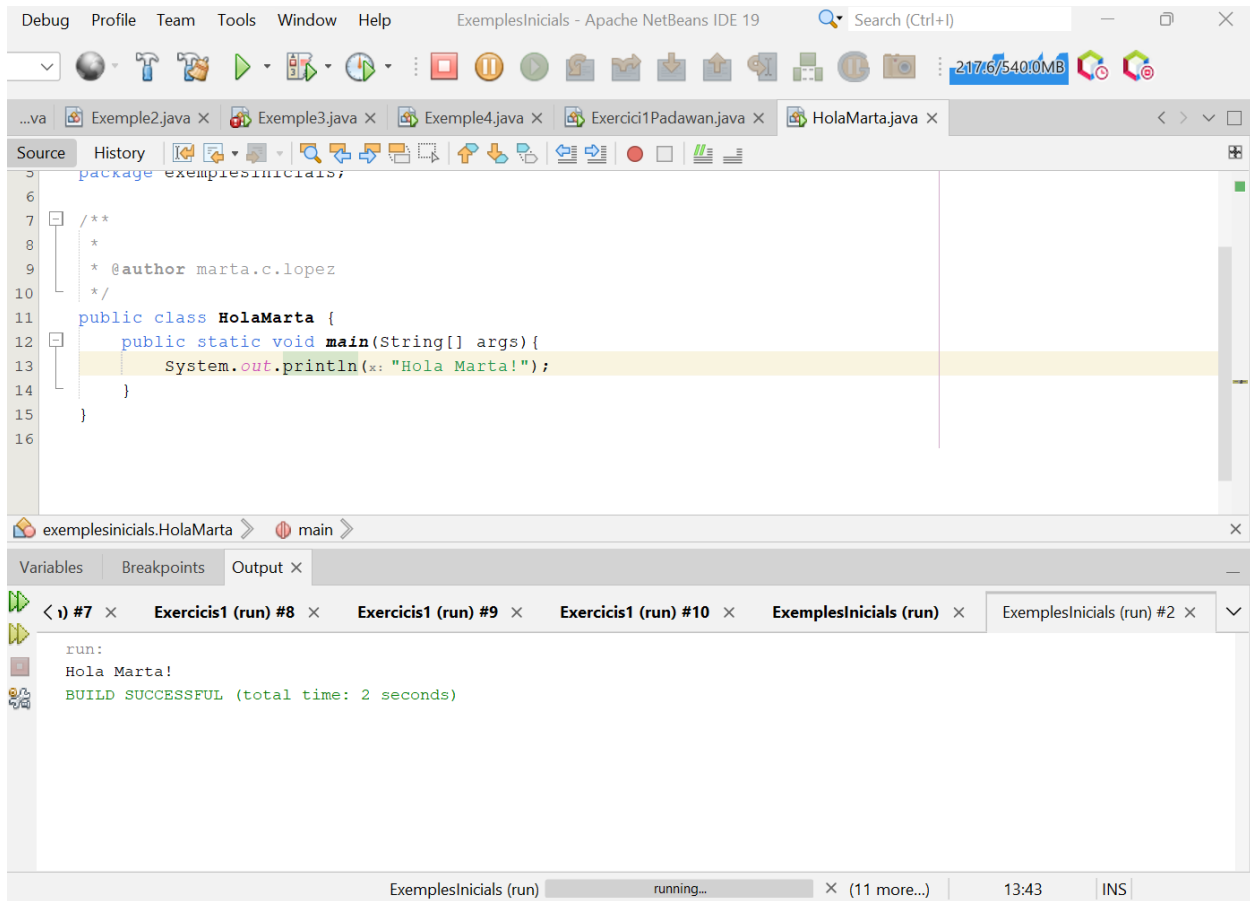


NETBEANS

a)



b)

The screenshot shows the Apache NetBeans IDE interface. The main window displays the source code of the `RepetidorDeFrases` class. The code is as follows:

```
8  * @author marta.c.lopez
9  */
10 public class RepetidorDeFrases {
11     public static void main(String[] args) {
12         String apellidos = "Lopez Morato";
13         int contInicial = 1;
14         int contFinal = 100;
15
16         while (contInicial <= contFinal) {
17             System.out.println(apellidos);
18             contInicial++;
19         }
20     }
21 }
```

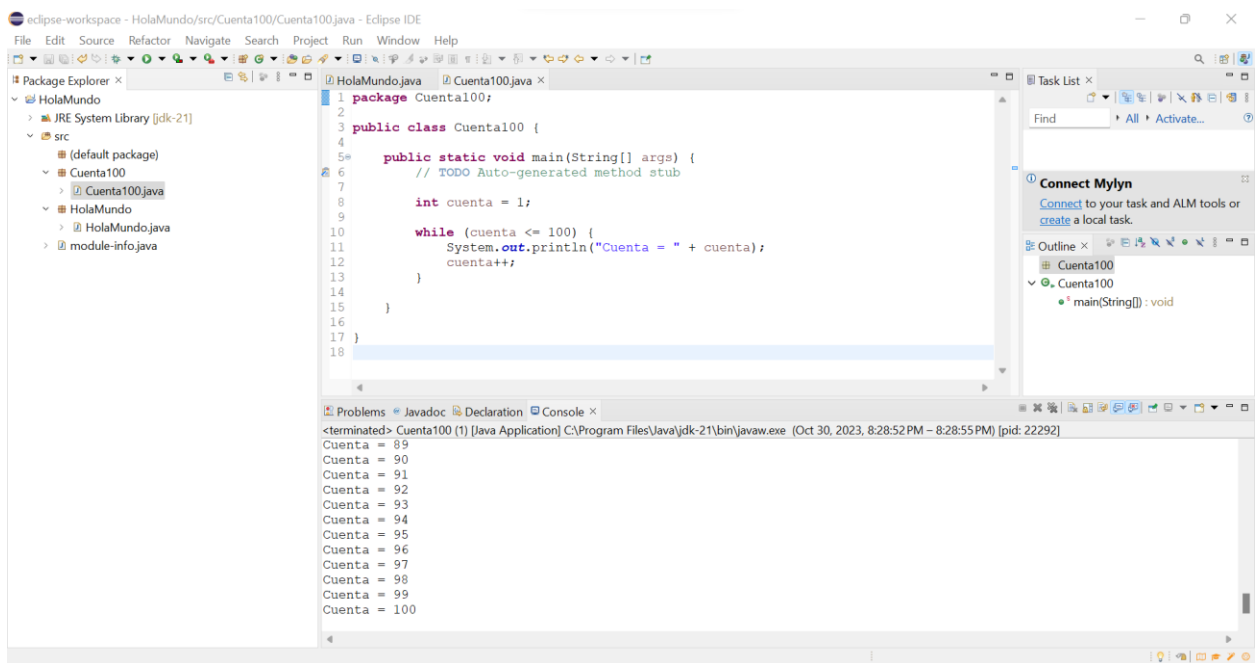
The 'main' method is highlighted, and the 'while' loop is active. The 'Variables' window shows the current state of the program variables:

Name	Type	Value
<Enter new watch>		
Static		
args	String[]	#49(length=0)
apellidos	String	"Lopez Morato"
contInicial	int	11
contFinal	int	100

The 'main' method is highlighted, and the 'while' loop is active. The 'Variables' window shows the current state of the program variables.

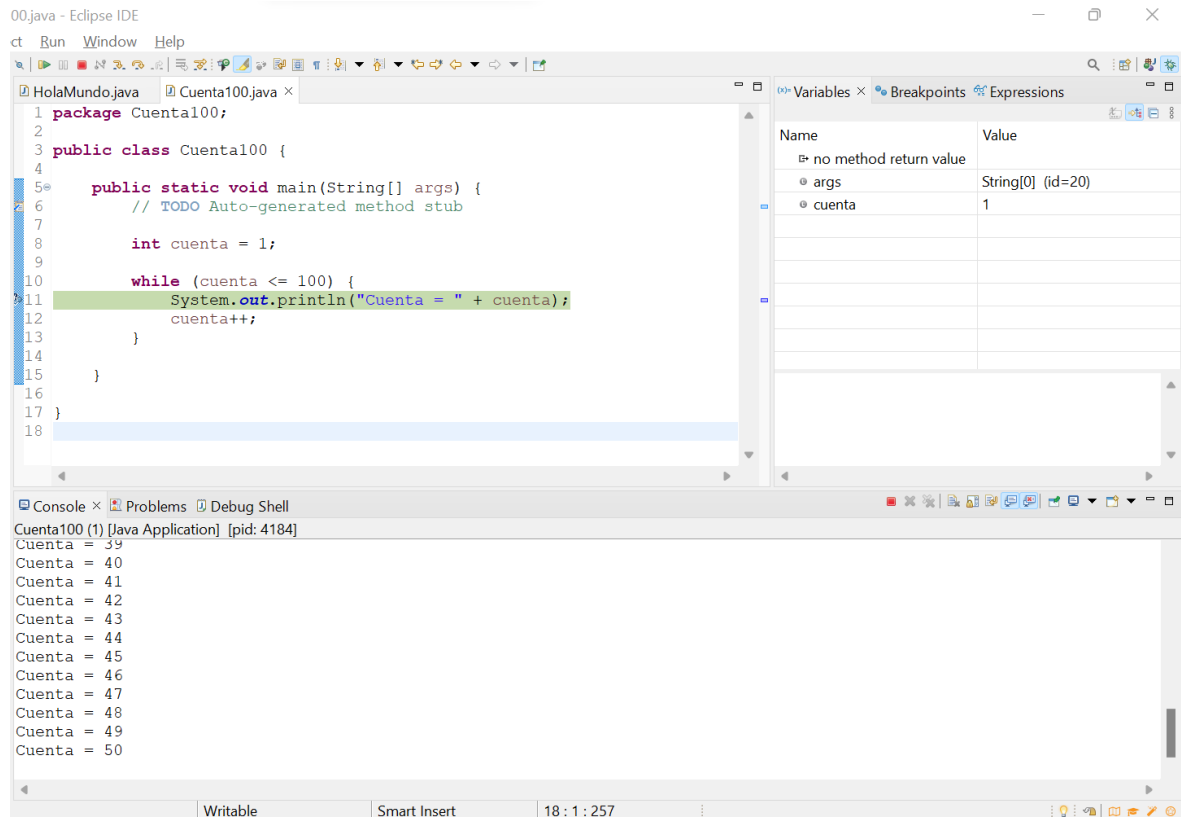
ECLIPSE

a) Programa sencillo Cuenta100



Breakpoints:

1. Que pare cuando el contador = 50:



2. Que pare cuando el contador tome los valores 1 y 100:

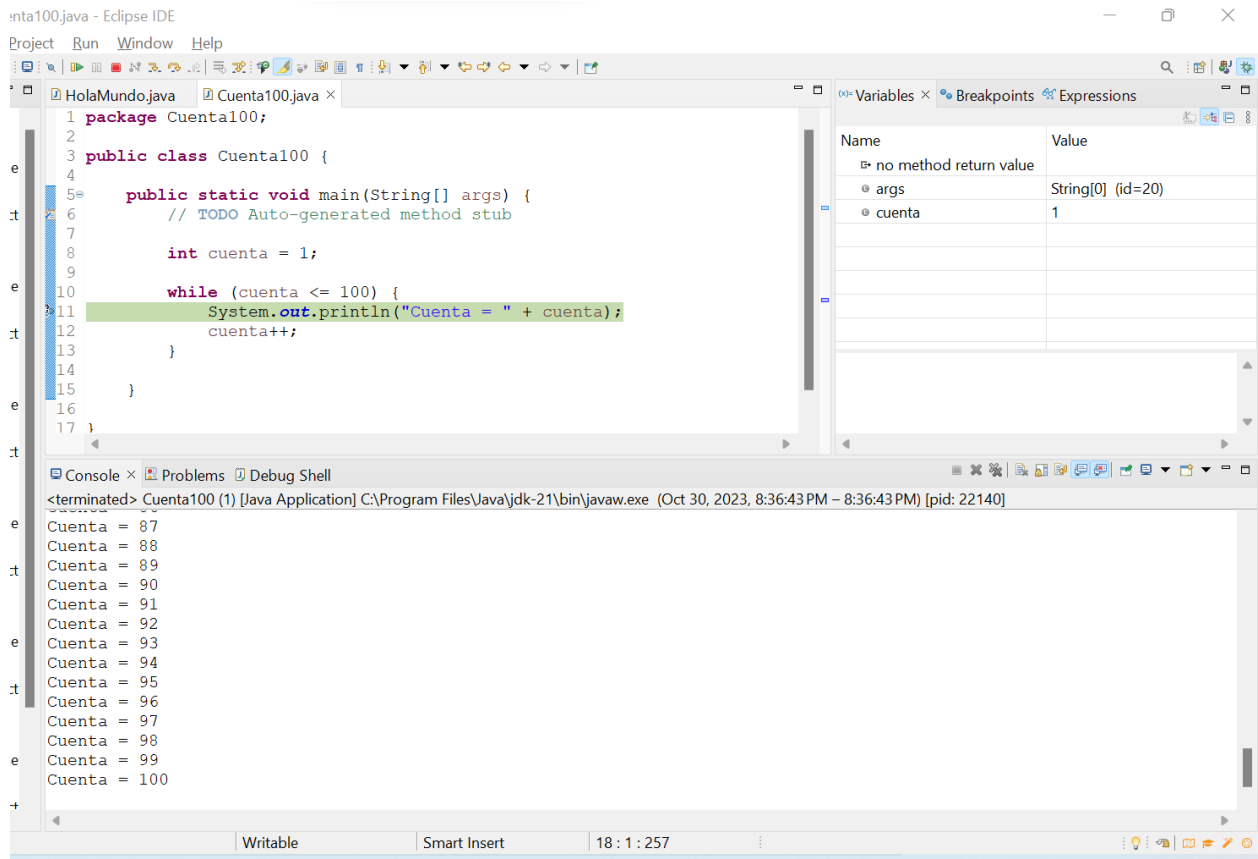
The screenshot shows the Eclipse IDE interface with the following components:

- Main Editor:** Displays the source code of `Cuenta100.java`. The code is as follows:

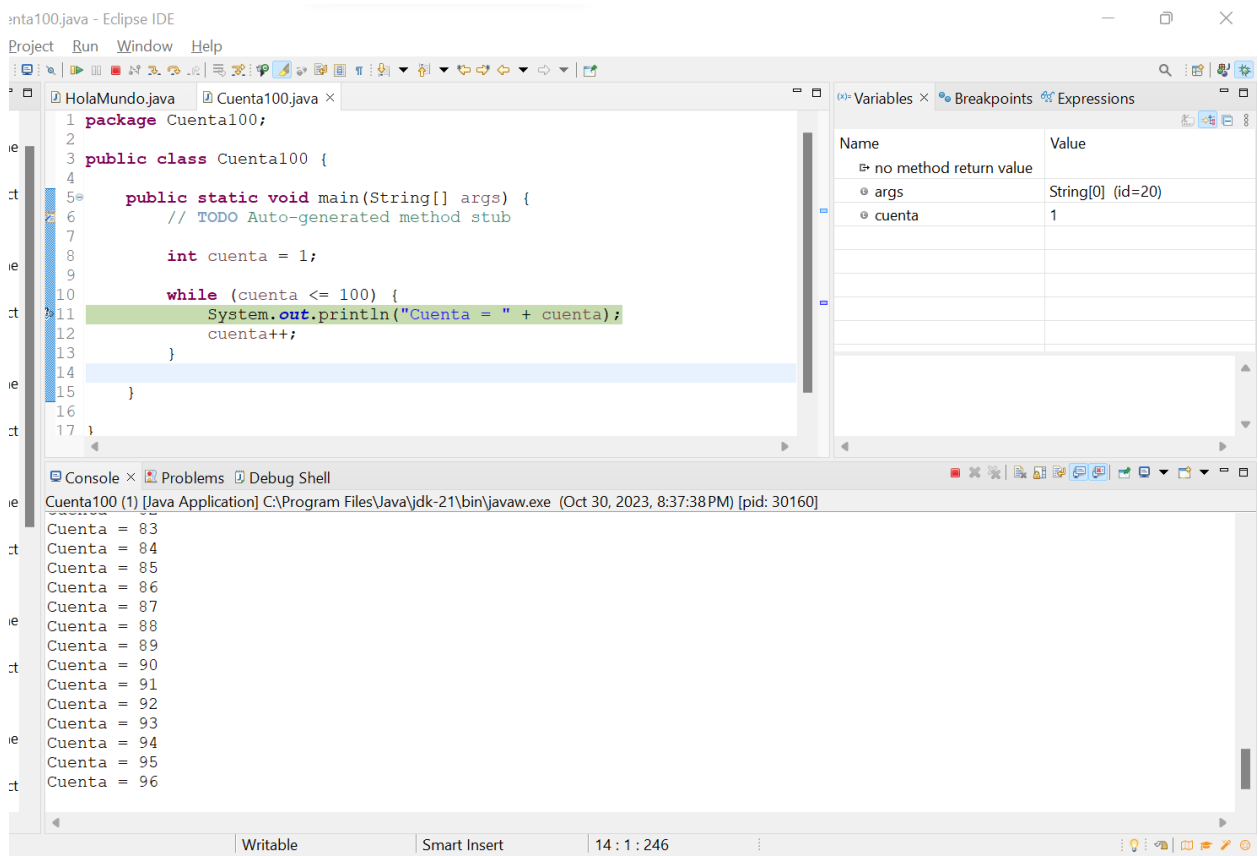
```
1 package Cuenta100;
2
3 public class Cuenta100 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8         int cuenta = 1;
9
10        while (cuenta <= 100) {
11            System.out.println("Cuenta = " + cuenta);
12            cuenta++;
13        }
14    }
15 }
16
17 }
18 }
```
- Variables View:** Located on the right, it shows the current state of variables during execution.

Name	Value
no method return value	
args	String[0] (id=20)
cuenta	1
- Console View:** Located at the bottom, it shows the output of the program.

```
Cuenta100 (1) [Java Application] [pid: 26644]
Cuenta = 1
```



3. Que pare cuando el contador se haya ejecutado más de 95 veces:



4. Que pare cuando se haya ejecutado 10, 20, 30... hasta 100 veces:

nta100.java - Eclipse IDE

Project Run Window Help

HolaMundo.java Cuenta100.java

```
1 package Cuenta100;
2
3 public class Cuenta100 {
4
5     public static void main(String[] args) {
6         // TODO Auto-generated method stub
7
8         int cuenta = 1;
9
10        while (cuenta <= 100) {
11            System.out.println("Cuenta = " + cuenta);
12            cuenta++;
13        }
14    }
15 }
16
17 }
```

Variables Breakpoints Expressions

Name	Value
no method return value	
args	String[0] (id=20)
cuenta	1

Console Problems Debug Shell

<terminated> Cuenta100 (1) [Java Application] C:\Program Files\Java\jdk-21\bin\javaw.exe (Oct 30, 2023, 8:48:23 PM – 8:48:24 PM) [pid: 13644]

```
Cuenta = 10
Cuenta = 20
Cuenta = 30
Cuenta = 40
Cuenta = 50
Cuenta = 60
Cuenta = 70
Cuenta = 80
Cuenta = 90
Cuenta = 100
```

Writable Smart Insert 15 : 6 : 250