

eclipse-workspace - EDD/src/clase2/ajedrez.java - Eclipse IDE

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Package Explorer Type Hierarchy

- > jdk.javadoc - C:\Users\lizet\Downloads\eclipse-
- > jdk.jcmd - C:\Users\lizet\Downloads\eclipse-d
- > jdk.jconsole - C:\Users\lizet\Downloads\ecli
- > jdk.jdeps - C:\Users\lizet\Downloads\eclipse-d
- > jdk.jdi - C:\Users\lizet\Downloads\eclipse-dsl
- > jdk.jdp.agent - C:\Users\lizet\Downloads\ecli
- > jdk.jfr - C:\Users\lizet\Downloads\eclipse-dsl
- > jdk.jshell - C:\Users\lizet\Downloads\eclipse-d
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- > jdk.jstatd - C:\Users\lizet\Downloads\eclipse-c
- > jdk.localedata - C:\Users\lizet\Downloads\ecli
- > jdk.management - C:\Users\lizet\Downloads\ec
- > jdk.management.agent - C:\Users\lizet\Downl
- > jdk.management.jfr - C:\Users\lizet\Downloa
- > jdk.naming.dns - C:\Users\lizet\Downloads\ec
- > jdk.naming.rmi - C:\Users\lizet\Downloads\ec
- > jdk.net - C:\Users\lizet\Downloads\eclipse-dsl
- > jdk.nio.mapmode - C:\Users\lizet\Downloads\
- > jdk.random - C:\Users\lizet\Downloads\ecli
- > jdk.sctp - C:\Users\lizet\Downloads\ecli
- > jdk.security.auth - C:\Users\lizet\Downloads\ec
- > jdk.security.jgss - C:\Users\lizet\Downloads\ec
- > jdk.unsupported - C:\Users\lizet\Downloads\ec
- > jdk.unsupported.desktop - C:\Users\lizet\Down
- > jdk.xml.dom - C:\Users\lizet\Downloads\ecli
- > jdk.zipfs - C:\Users\lizet\Downloads\ecli
- > src
- > module-info.java
- > EDD
  - > JRE System Library [JavaSE-21]
  - > src
    - > clase1
    - > clase1.resources
      - > datos\_redes\_sociales.csv
    - > clase2
      - > ajedrez.java
      - > Array2D.java

ajedrez.java Array2D.java

```
4
5
6 public static void main(String[] args) {
7     Array2D tablero = new Array2D(8, 8);
8     tablero.limpiar(" ");
9
10    // Piezas blancas
11    tablero.setElemento(0, 0, "♔");
12    tablero.setElemento(0, 1, "♕");
13    tablero.setElemento(0, 2, "♖");
14    tablero.setElemento(0, 3, "♗");
15    tablero.setElemento(0, 4, "♘");
16    tablero.setElemento(0, 5, "♙");
17    tablero.setElemento(0, 6, "♚");
18    tablero.setElemento(0, 7, "♛");
19    for (int i = 0; i < 8; i++) {
20        tablero.setElemento(1, i, "♜");
21    }
22
23    // Piezas negras
24    tablero.setElemento(7, 0, "♟");
25    tablero.setElemento(7, 1, "♞");
26    tablero.setElemento(7, 2, "♝");
27    tablero.setElemento(7, 3, "♞");
28    tablero.setElemento(7, 4, "♝");
29    tablero.setElemento(7, 5, "♞");
30    tablero.setElemento(7, 6, "♝");
31    tablero.setElemento(7, 7, "♟");
32    for (int i = 0; i < 8; i++) {
33        tablero.setElemento(6, i, "♞");
34    }
35
36    // Imprimir tablero
37    System.out.println("      a b c d e f g h");
38    System.out.println(" +-----+");
39    for (int fila = 7; fila >= 0; fila--) {
40        System.out.print(" " + (fila + 1) + " |");
41        for (int col = 0; col < 8; col++) {
42            System.out.print(" " + tablero.getElemento(fila, col) + " |");
43        }
44        System.out.println(" " + (fila + 1));
45        System.out.println(" +-----+");
46    }
```

Task List

Find

Activate...

Outline

- clase2
  - ajedrez
    - main(String[]) : void

Problems Javadoc Declaration Console

<terminated> ajedrez (1) [Java Application] C:\Users\lizet\Downloads\eclipse-dsl-2025-06-R-win32-x86\_64\eclipse\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86\_64\_21.0.7.v20250502-0916\jre\bin\javaw.exe (4 sep

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Package Explorer Type Hierarchy

ajedrez.java Array2D.java

```
1 package clase2;
2
3 public class ajedrez {
4
5
6     public static void main(String[] args) {
7         Array2D tablero = new Array2D(8, 8);
8         tablero.limpiar(" ");
9
10        // Piezas blancas
11        tablero.setElemento(0, 0, " ");
12        tablero.setElemento(0, 1, " ");
13        tablero.setElemento(0, 2, " ");
14        tablero.setElemento(0, 3, " ");
15        tablero.setElemento(0, 4, " ");
16        tablero.setElemento(0, 5, " ");
17        tablero.setElemento(0, 6, " ");
18        tablero.setElemento(0, 7, " ");
```

Task List

Find All Activate...

Outline

- clase2
  - ajedrez
    - main(String[]): void

Problems Javadoc Declaration Console

terminated> ajedrez (1) [Java Application] C:\Users\lizet\Downloads\eclipse-dsl-2025-06-R-win32-x86\_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_21.0.7.v20250502-0916\jre\bin\javaw.exe (4 sep

	a	b	c	d	e	f	g	h	
8	♙   ♙   ♙   ♙   ♙   ♙   ♙   ♙	8							
7	♚   ♚   ♚   ♚   ♚   ♚   ♚   ♚	7							
6		6							
5		5							
4		4							
3		3							
2	♜   ♜   ♜   ♜   ♜   ♜   ♜   ♜	2							
1	♞   ♞   ♞   ♞   ♞   ♞   ♞   ♞	1							
	a	b	c	d	e	f	g	h	

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eclipse-workspace - EDD/src/clase2/Array2D.java - Eclipse IDE

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Package Explorer Type Hierarchy

ajedrez.java Array2D.java

```
6 // Constructor
7 public Array2D(int ren, int col) {
8     arreglo = new Object[ren][col];
9 }
10
11 // limpiar: asigna el mismo valor a todas las posiciones
12 public void limpiar(Object dato) {
13     for (int i = 0; i < getRowSize(); i++) {
14         for (int j = 0; j < getColSize(); j++) {
15             arreglo[i][j] = dato;
16         }
17     }
18 }
19
20 // Regresa el tamaño de renglones
21 public int getRowSize() {
22     return arreglo.length;
23 }
24
25 // Regresa el tamaño de columnas
26 public int getColSize() {
27     return arreglo[0].length;
28 }
29
30 // Asigna un valor en (ren, col)
31 public void setElemento(int ren, int col, Object dato) {
32     arreglo[ren][col] = dato;
33 }
34
35 // Obtiene el valor en (ren, col)
36 public Object getElemento(int ren, int col) {
37     return arreglo[ren][col];
38 }
39
40 // Regresa representación en cadena
41 @Override
42 public String toString() {
43     StringBuilder sb = new StringBuilder();
44     for (int i = 0; i < getRowSize(); i++) {
45         for (int j = 0; j < getColSize(); j++) {
46             sb.append(arreglo[i][j]).append(" ");
47         }
48     }
49 }
```

Task List

Find All Activate...

Outline

- clase2
  - Array2D
    - arreglo : Object[][]
    - Array2D(int, int)
    - limpiar(Object) : void
    - getRowSize() : int
    - getColSize() : int
    - setElemento(int, int, Object) : void
    - getElemento(int, int) : Object
    - toString() : String

Problems Javadoc Declaration Console

<terminated> ajedrez (1) [Java Application] C:\Users\lizet\Downloads\eclipse-dsl-2025-06-R-win32-x86\_64\eclipse\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86\_64\_21.0.7.v20250502-0916\jre\bin\javaw.exe (4 sep

a b c d e f g h

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Llovizna Mañana 08:40 p. m. 04/09/2025