

UNIVERSIDAD UNIAGUSTINIANA

DESARROLLO DE SOFTWARE

TALLER_2

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CONTENIDO

- Código:

```
Main.java × MathOperations.java MusicPlayer.java
1 public class Main {
2     public static void main(String[] args) {
3         MusicPlayer musicThread = new MusicPlayer();
4         MathOperations mathThread = new MathOperations();
5
6         musicThread.start();
7         mathThread.start();
8
9         try {
10             musicThread.join();
11             mathThread.join();
12         } catch (InterruptedException e) {
13             e.printStackTrace();
14         }
15
16         System.out.println("Todas las tareas han terminado.");
17     }
18 }
19

Main.java MathOperations.java × MusicPlayer.java
1 public class MathOperations extends Thread {
2     @Override
3     public void run() {
4         int num1 = 10;
5         int num2 = 5;
6         System.out.println("Suma: " + (num1 + num2));
7         System.out.println("Resta: " + (num1 - num2));
8         System.out.println("Multiplicación: " + (num1 * num2));
9         System.out.println("División: " + (num1 / num2));
10    }
11 }
12

1 import javax.sound.sampled.*;
2
3 public class MusicPlayer extends Thread {
4     @Override
5     public void run() {
6         System.out.println("Iniciando la reproducción de música...");
7
8         String filePath = "C:\\Users\\User\\Desktop\\Repositorio android\\resources\\y2mate.com-Me-Pones-en-Tension.wav";
9
10        try {
11            AudioInputStream audioInputStream = AudioSystem.getAudioInputStream(new java.io.File(filePath));
12            Clip clip = AudioSystem.getClip();
13            clip.open(audioInputStream);
14
15            clip.start();
16            Thread.sleep(clip.getMicrosecondLength() / 1000);
17
18            clip.close();
19        } catch (Exception e) {
20            e.printStackTrace();
21        }
22
23        System.out.println("Terminando la reproducción de música...");
24    }
25 }
26
```

```
C:\Windows\System32\cmd.e  X  +  v
Microsoft Windows [Versión 10.0.22621.2134]
(c) Microsoft Corporation. Todos los derechos reservados.

C:\Users\User\eclipse-workspace\Musica21\src>javac Main.java

C:\Users\User\eclipse-workspace\Musica21\src>java Main
Iniciando la reproducción de música...
Suma: 15
Resta: 5
Multiplicación: 50
División: 2
|
```