Practica 01

Generador de calificaciones:

```java
package UNIDAD_6_Archivos_Y_Excepciones;
//@author Luis Ricardo Reyes Villar
import java.io.File;
import java.io.FileWriter;
import java.io.IOException;
public class Generador {
    public static void main(String[] args) throws IOException {
        int n=50;
        String r1 = "D:\\POO-2022-1\\src\\UNIDAD_6_Archivos_Y_Excepciones";
        r1=r1+"\\Calificaciones.txt";
        File ruta=new File(r1);
        FileWriter fw=new FileWriter(ruta);
        for (int i = 1; i <= n; i++) {
            fw.write((int)(Math.random()*100+1));
        }
        fw.close();

    }

}
```

Muestra promedio:

```java
package UNIDAD_6_Archivos_Y_Excepciones;
//@author Luis Ricardo Reyes Villar
import java.io.File;
import java.io.FileNotFoundException;
import java.io.FileReader;
import java.io.IOException;

public class Promedio {
    public static void main(String[] args) throws IOException, FileNotFoundException {
        String r1 = "D:\\POO-2022-1\\src\\UNIDAD_6_Archivos_Y_Excepciones";
        int cont=0,suma=0,x;
        float prom;
        r1=r1+"\\Calificaciones.txt";
        File Lector=new File(r1);
        FileReader fr= new FileReader(Lector);
        x=fr.read();
        while(x!=-1){
            suma+=x;
            cont++;
            x=fr.read();
        }
        prom =(float)suma/cont;
        System.out.println("Promedio de calificaciones de grupo: "+prom);
        fr.close();
    }
}
```

Imprime promedio en pantalla:

```
Output - POO-2022 (run) ×

run:
Promedio de calificaciones de grupo: 52.18
BUILD SUCCESSFUL (total time: 0 seconds)
```

Practica 02

Canción en bloc de notas:

I can remember when we walked together
Sharing a love I thought would last forever
Moonlight to show the way, so we can follow
Waiting inside her eyes was my tomorrow

Then something changed her mind, her kisses told me
I had no loving arms to hold me

Every day I wake up
Then I start to break up
Lonely is a man without love

Every day I start out
Then I cry my heart out
Lonely is a man without love

Every day I wake up
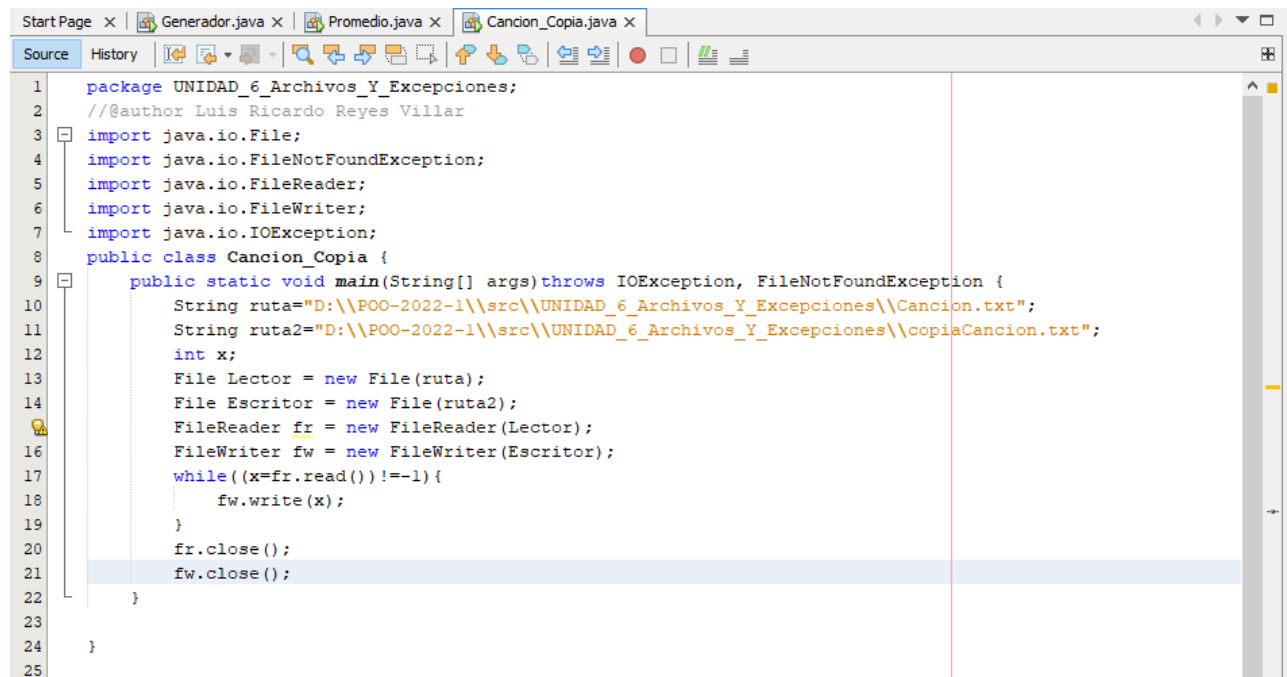Then I start to break up
Knowing that it's cloudy above

Every day I start out
Then I cry my heart out
Lonely is a man without love

I cannot face this world that's falling down on me
So if you see my girl, please send her home to me
Tell her about my heart that's slowly dying
Say I can't stop myself from crying

Every day I wake up
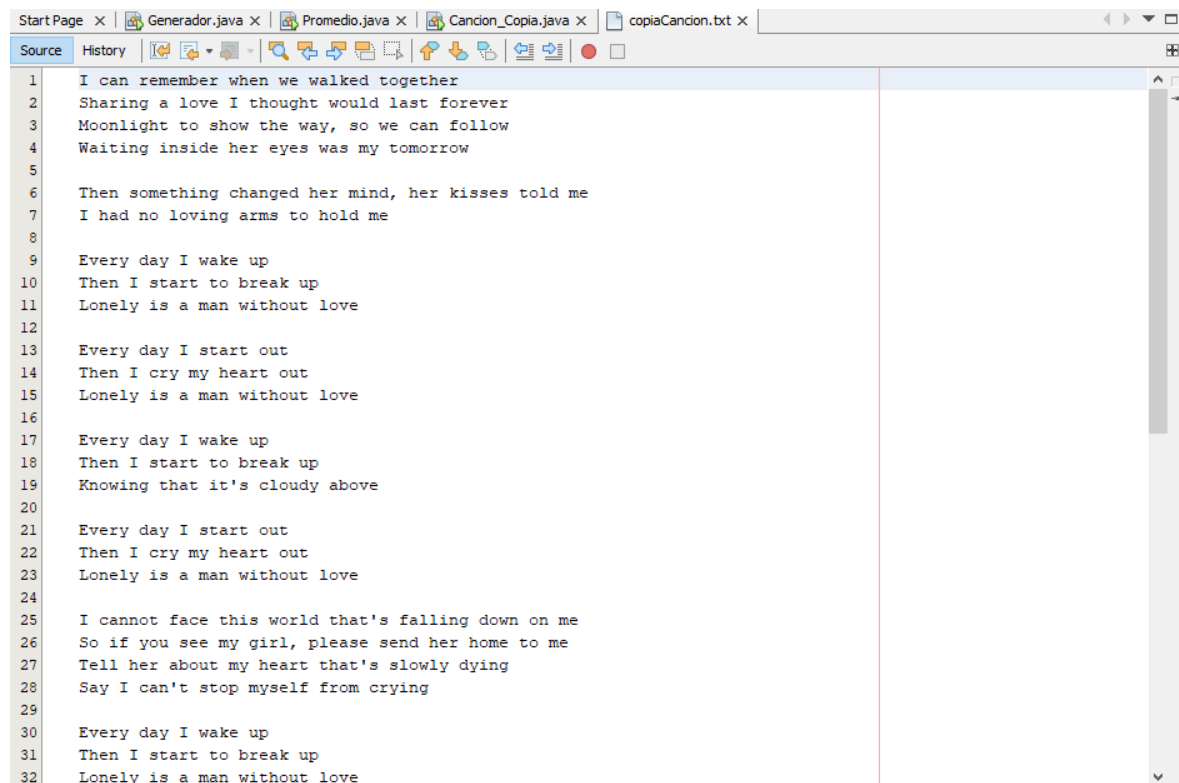Then I start to break up
Lonely is a man without love

Every day I start out
Then I cry my heart out
Lonely is a man without love

Programa copiaCancion

Source | History

```java
1    package UNIDAD_6_Archivos_Y_Excepciones;
2    //@author Luis Ricardo Reyes Villar
3    import java.io.File;
4    import java.io.FileNotFoundException;
5    import java.io.FileReader;
6    import java.io.FileWriter;
7    import java.io.IOException;
8    public class Cancion_Copia {
9        public static void main(String[] args)throws IOException, FileNotFoundException {
10           String ruta="D:\\POO-2022-1\\src\\UNIDAD_6_Archivos_Y_Excepciones\\Cancion.txt";
11           String ruta2="D:\\POO-2022-1\\src\\UNIDAD_6_Archivos_Y_Excepciones\\copiaCancion.txt";
12           int x;
13           File Lector = new File(ruta);
14           File Escritor = new File(ruta2);
15           FileReader fr = new FileReader(Lector);
16           FileWriter fw = new FileWriter(Escritor);
17           while((x=fr.read())!=-1){
18               fw.write(x);
19           }
20           fr.close();
21           fw.close();
22       }
23
24   }
25
```

Archivo copiaCancion.txt

Source | History

```
1    I can remember when we walked together
2    Sharing a love I thought would last forever
3    Moonlight to show the way, so we can follow
4    Waiting inside her eyes was my tomorrow
5
6    Then something changed her mind, her kisses told me
7    I had no loving arms to hold me
8
9    Every day I wake up
10   Then I start to break up
11   Lonely is a man without love
12
13   Every day I start out
14   Then I cry my heart out
15   Lonely is a man without love
16
17   Every day I wake up
18   Then I start to break up
19   Knowing that it's cloudy above
20
21   Every day I start out
22   Then I cry my heart out
23   Lonely is a man without love
24
25   I cannot face this world that's falling down on me
26   So if you see my girl, please send her home to me
27   Tell her about my heart that's slowly dying
28   Say I can't stop myself from crying
29
30   Every day I wake up
31   Then I start to break up
32   Lonely is a man without love
```