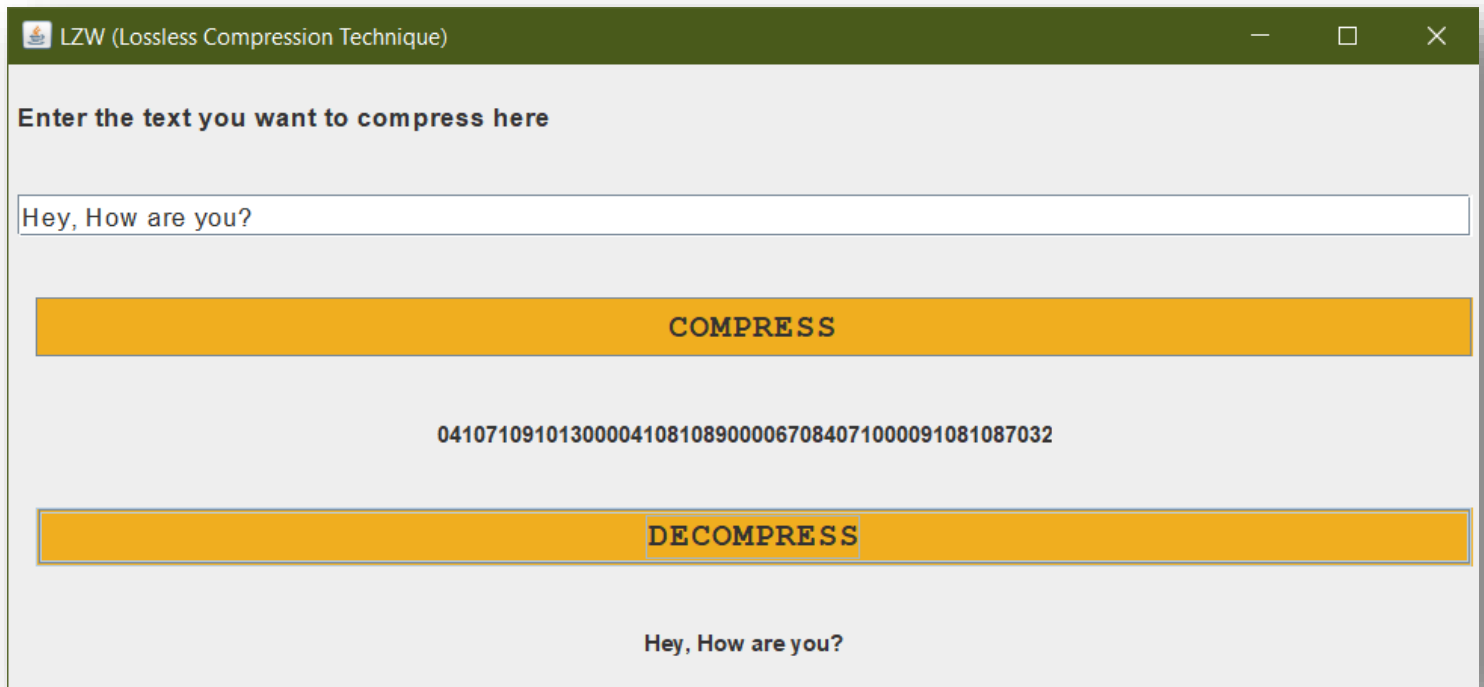


LZW (Lossless Compression Technique)

Summary:

This small program makes use of one of the important text compression algorithms, **LZW**. It's used to encode ASCII Characters into compressed format with a **small size**, then you can **decode** the text again whenever you want into a readable format.

The program has **two options**. It can take the **text file name** from the user by running the main function in the file **LZW.java** then the compressed text will be in a file named **compressed.txt**, or you can use the **GUI app** which made using the **Java Swing**, run the file **GUI.java** then enter the text you want as in the following picture.



You can find more information for **how this algorithm works** at this [PDF Link](#), starting from **page 79**.

The project is built using **Java**, **IntelliJ**.