Yusuf Fawzy Elnady

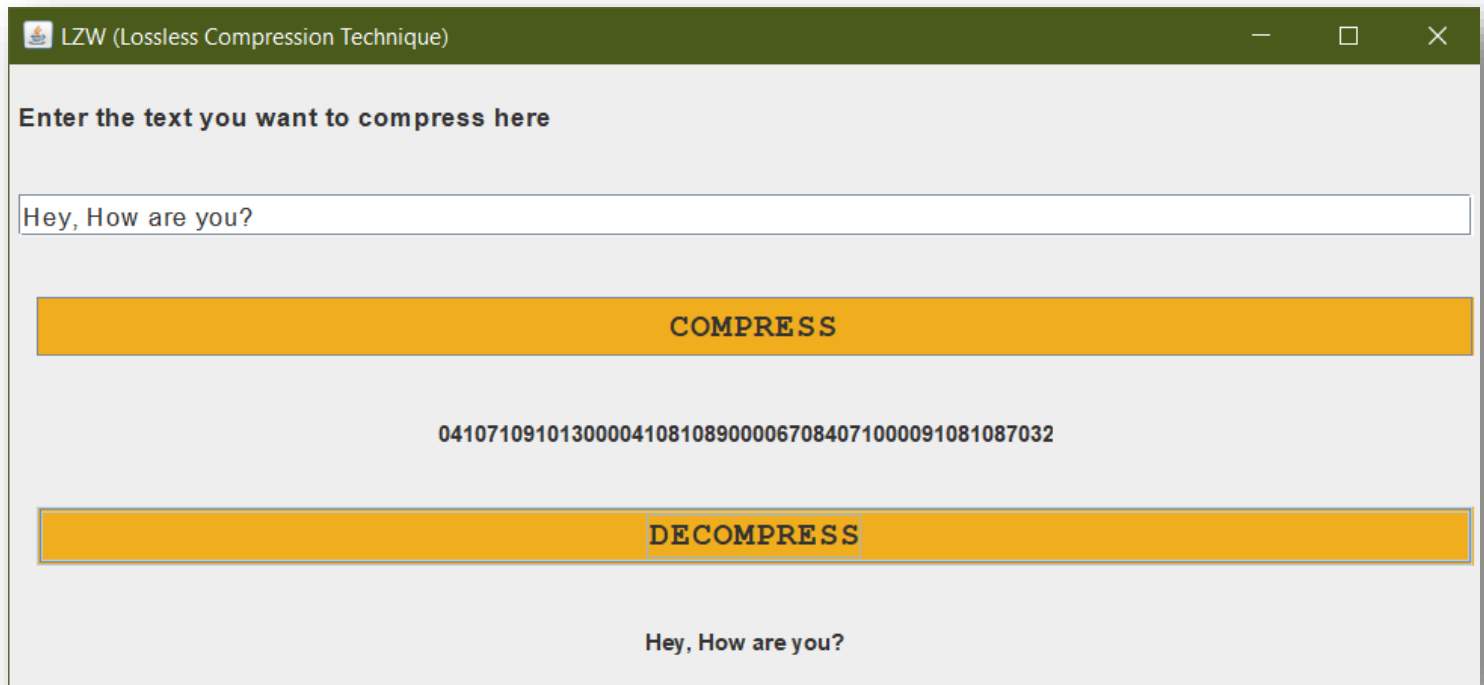# LZW (Lossless Compression Technique)

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 run the **GUI app** from the file **GUI.java** and enter the text you want as in the following picture.

You can find more infromation for **how this algorithm works** at this **PDF**:
http://www.learngroup.org/uploads/2015-10-27/Intro,_LZ77,_LZ_78,_LZW_Leangroup_org.pdf starting from **page 79**.

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