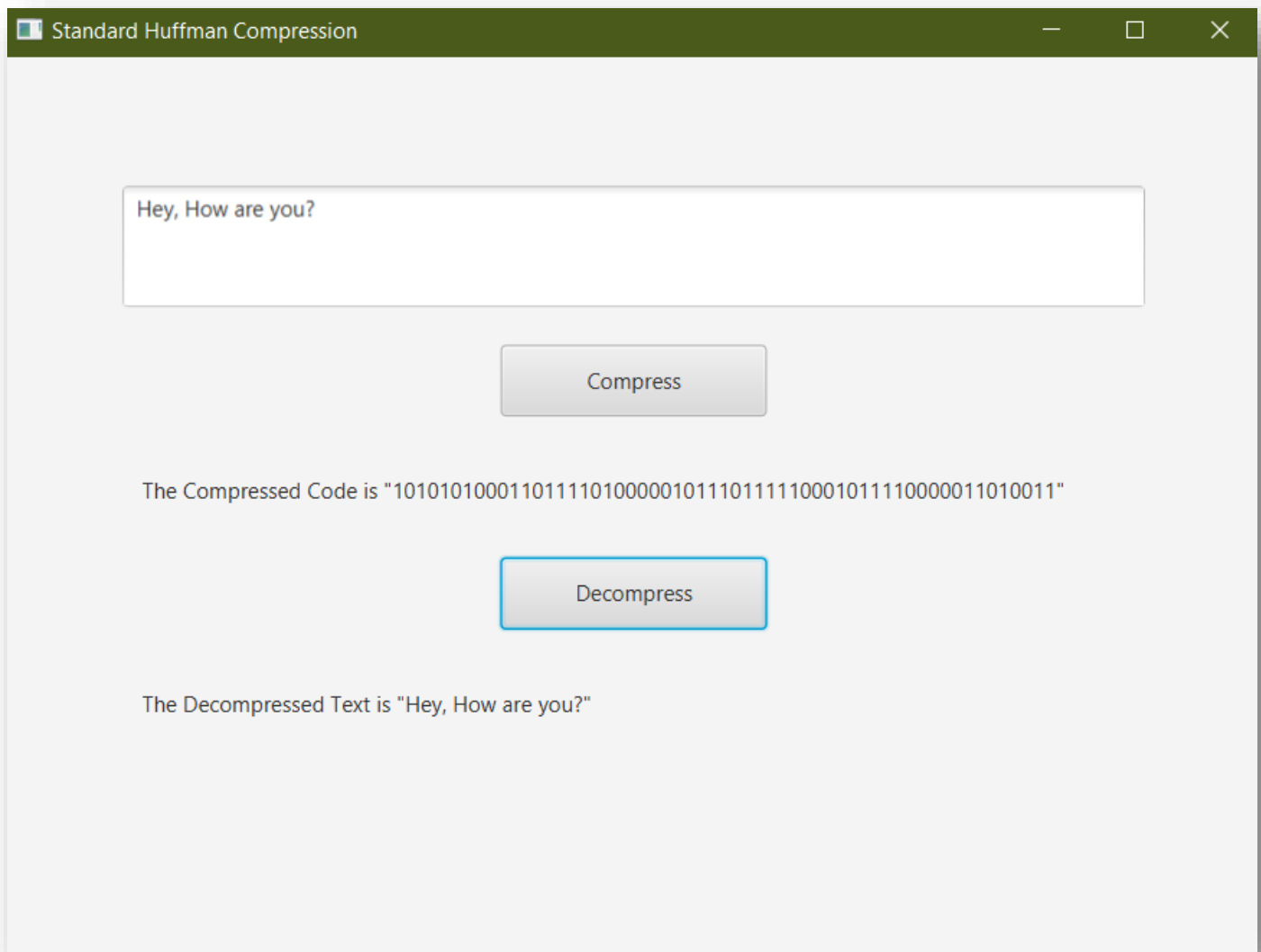


Standard Huffman (Lossless Compression Technique)

Summary:

This small program makes use of one of the important text compression algorithms, **Standard Huffman**. 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 **Huffman.java** then the compressed text will be in a file named **compressed.txt**, or you can use the **GUI app** which made using the **JavaFX and SceneBuilder** , run the file **Main.java** then enter the text you want as in the following picture.



Yusuf Fawzy Elnady

You can find more information for **how this algorithm works** at this [PDF Link](#), starting from **page 20**.

How to install JavaFX:

The project is built using **Java, IntelliJ**. You can find at this repo the `openjfx-11.0.2_windows-x64_bin-sdk.zip` file. Use this [link](#) to know how to install **JavaFX** into **IntelliJ** and adding it to the library of the project.