**Description:**

This is a simple java standalone application program which can compress various files like image files, text files, audio files, dll files and exe files.

Using Java I have created a GUI.

**System Requirement:**

This program can be run on any platform that installed with JRE (Java Runtime Environment).

**For Encoding**:

As part of Encoding, I have created a compress(Input Stream, Output Stream) method in LZW\_IMPLEMENTATION class.

The Input Stream is the original parameter and the output file is created with .lzw format.

**For Decoding:**

For decoding , I have created a decompress(Input Stream, Output Stream) method in LZW\_IMPLEMENTATION class.

The encoded file is the input stream and the output was the new file which is same as the original file.

**Steps involved in compiling the Program:**

1. Change Directory in shell command and go till MP\_Project Folder
2. Type command ‘javac –d . LZWGUI.java’ and enter

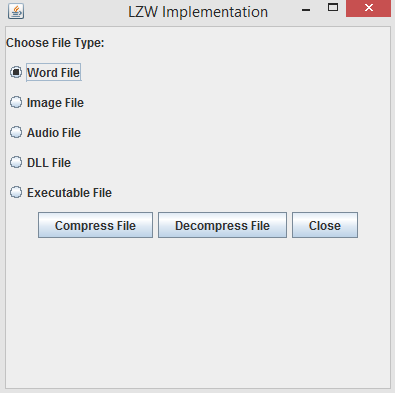
Or

1. Type Command ‘make’ and enter

For **Run Program:**

Type Command ‘java LZWGUI’

Following screenshot is displayed to user:



**Main.jpg**

**User Manual:**

Here, I have taken following file for compression and decompression:

Word File----------content.doc

Image File--------- WP\_20141106\_003.png

Audio File--------- Neverbackdown.mp3

DLL File-----------Example.dll

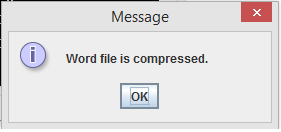
Executable File ----------Sample.exe

User have to select radio button for compression any of the following types:

Word File, Image File, Audio File, DLL File or Exe File. (**Refer Main.jpg Screenshot**)

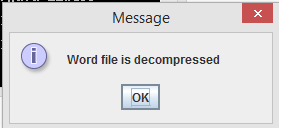
1. To Encode Files:

After selecting any radio button, user can click on compress button to compress files.After compressing file, Following Message box is displayed:



1. To Decode Files:

To decompress file, user have to select any radio button and click on decompress button.If File has already encoded then decompression will be done successfully and message box will be displayed as under:



If File is not encoded earlier then no file is found for decompression. So following message will be displayed as under:

