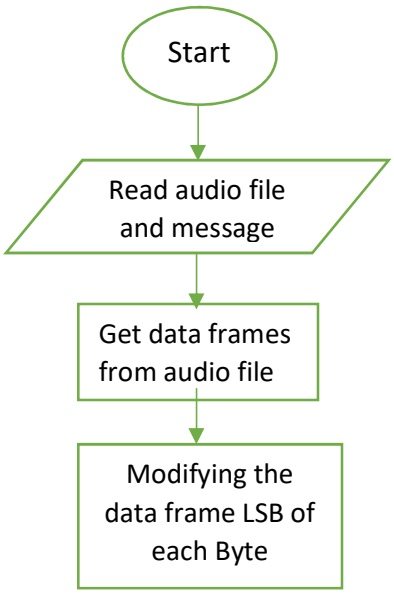
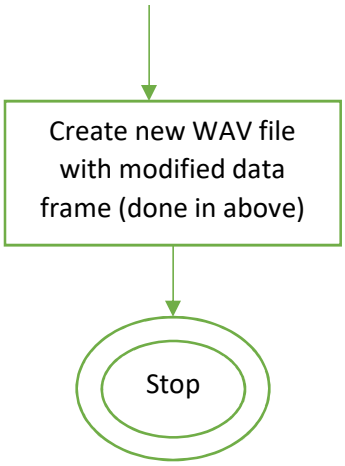
Pseudocode Encode:

1. Start
2. Read the sound file i.e. .WAV file using wave
3. Get the audio frames of given WAV file and convert into byte object
4. Read the input message string
5. Append the special char '#' to string for encryption such that string have equal length to byte object which is get in Step:3
6. Convert the entire charter string into list of bits using ord ()
7. Modify LSB of each data frame with encoded string data bit
8. Convert the modified data frame bytes to an immutable version using byte()
9. Create a new output WAV file
10. Set same meta data of original file and add modified data frames
11. Close all audio files
12. Stop

Flow Chart:

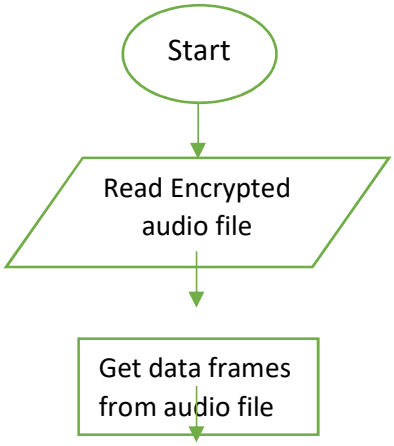


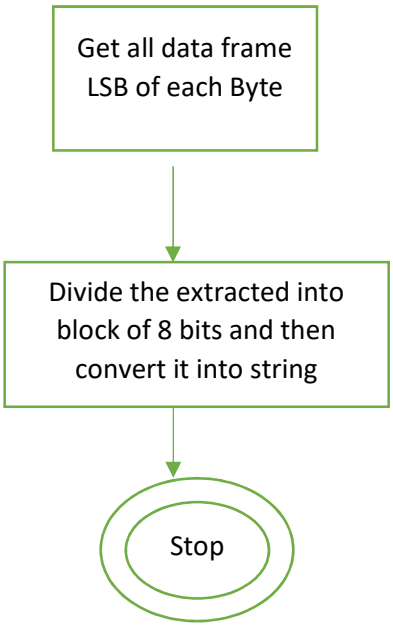


Pseudocode Decode:

1. Start
2. Read encoded WAV file
3. Extracted the data frames and convert it into byte object
4. Get the all LSB of each data frame
5. Divide strings into blocks of eight binary strings and convert then and join them back to string
6. Return the decoded string
7. Close audio file
8. Stop

Flow Chart:




Get all data frame LSB of each Byte
Divide the extracted into block of 8 bits and then convert it into string
Stop