

## READ MP3 INFORMATION

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This program was designed to be executed in command line using two parameters; the program filename and the mp3 filename. I have instructed the program to terminate once it has executed.

***The body of the program consists of the following:***

- Inside main I did some error checking to make sure that the program would run correctly through command line.
- I have stored the genres in an array. I felt it was appropriate to hard code these as they are industry-recognized ID tags (ID3 version 1).
- I defined a structure to read the metadata from the file, then opened the file for reading.
- Then I moved the pointer to -128 bytes from the end of the file, read the next 3 bytes.
- Error check that these 3 bytes contain the letters T-A-G
- If so, this is a valid mp3 file and the program will read the rest of the metadata into the structure
- Before each field is printed to standard output (title, artist, album, etc.), the program checks to see if the field is empty/blank. If so, it returns the value as "Unknown".
- To deal with the genre, which is read as a number, the value read is checked against the genre array and if found, returns the string value of the genre i.e. Rock, Pop. If the value is not found, it returns "Unknown".
- Print all fields to screen, close file, terminate program.