BMP a 8 bit per pixel

Write a C++ command line program that accepts the following options:

1. bmp2pam <input file .BMP> <output file .PAM>

The program must manage the command line, load a file in BMP format and save it in PAM format.

The program must support BMPs at 8 bits per pixel. These have a color table and contain, for each pixel, an 8 bit value, which is an index pointing to a color in the color table to be used for that pixel (test with rana@8.bmp and rana_gray.bmp).