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1.

There are 32 bits in a 32-bit integer. There are a billion bytes in a gigabyte. 24 days to chuck 1000 pieces of wood. (WoodChucks Project)

2.

Animal class was created with members name, sound, isMale, weight , and age and has functions to Speak() which prints out their sound and DisplayInfo(). Chicken class inherits from animal and has an int eggsLaid, and Function LayEgg() that increments eggsLaid. If chicken is male, it can NOT lay eggs. Chicken also overrides DisplayInfo() to show how many eggs are laid. Other classes inheriting from animal class such as Cow, Pig, Sheep, Horse, and Dog.All being able to use the Speak and DisplayInfo functions. (Farm Project)

3.

Rotate function takes all points and adjust their values to be at the origin (Z axis). Then rotation is applied and moved back to original offset. (2D\_Math\_Test Project)

4. Unsuccessful, so far. Plan was to figure out how to load bmp file, read RGB values at each pixel, and load values into an array. Then using the dimensions of the original bmp to loop through the array to find the first instance of a unique pixel (not Magenta), and create a new array that would be the basis to create a new bmp.

Keywords

Bitmap File Format

Image Processing

No external image libraries, C/C++, commandline tool.

8 bit –Each pixel is a byte, 3 bits of red, 3 bits of Green, and 2 Bits of blue. 256 colors

Frustration