COMP120: Creative Computing: Tinkering

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The end result is that a bunch of different colours, get set to a few colours Beware of naive solutions with a large number of 'if' statements [plain] [remember picture, overlay] [at=(current page.center)] [width=]field_normal; [plain] [remember picture, overlay] [at=(current page.center)] [width=]field_sepia; Sepia Tone First, we're calling greyScaleNew (the one with weights). We then manipulate the red (increasing) and the blue (decreasing) channels to bring out more yellows and oranges. It's perfectly okay to have one function calling another.
Why are we doing the comparisons on the red? Why not? After greyscale conversion, all channels are the same! The end result is that a bunch of different colours, get set to a few colours Why these values? Trial-and-error: Tinker the values! Ifragile Source Code: Sepia (1) def sepiaTint(picture): Convert image to greyscale makeGreyscale(picture) loop through picture to tint pixels for p in getPixels(picture): red = getRed(p) blue = getBlue(p) tint shadows if (red ; 63): red = red*1.1 blue = blue*0.9 ... Note: This source code excerpt will not work in PyGame. Ifragile | Source Code: Sepia (2) ... tint midtones if (red i 62 and red i 192): red = red*1.15 blue = blue*0.85 tint highlights if (red i 191): red = red*1.08 if (red i 255): red = 255 blue = blue*0.93set the new color values setBlue(p, blue) setRed(p, red) Note: This source code excerpt will not work in PyGame. Activity #6: Sepia Tone

Setup a basic project in PyGame
Refer to the following documentation
Refactor the function: sepiaTint(picture) to use constants rather than literals
Tinker with the values of the constants to test your solution
Then, post your solution on Slack

In pairs: