Emoji Pics Classwork

Instructions:

1. Copy the emoji\_pics.py file from Schoology to your Desktop
2. Right click on the file and choose Open With -> Thonny
3. Start to type your Python program
4. Occasionally save and test your program to **make sure it works**
5. Every time that the directions say “take a screen shot”, take a screenshot of the picture you just created and put it in a Google Doc that you have shared with me.

Simple checker board

1. For the string bw\_emoji\_pic\_1… You can copy the black and white emojis at the top of the file and use them wherever is necessary.
   1. Create a program that prints out each character from the bw\_emoji\_pic\_1 variable
   2. Create a program that prints out a white/black emoji for each one/zero and a newline for each two.
      1. Take screenshot

Smiley face

1. For bw\_emoji\_pic\_2…
   1. Use the above program to print out picture 2
   2. Create a “negative” of the picture where black is white and white is black
      1. Take screen shot

Gray swatch

1. For gray\_scale\_emoji\_pic\_1 You can copy the black and white, and gray emojis at the top of the file and use them wherever is necessary.
   1. Create a program that prints out each pairs from the color\_emoji\_pic\_1 variable
   2. Create a program that prints out an emoji pic based on the two digit tuples that represent gray scale values. For example, 10 would be light gray. 22 is a newline
      1. Take screen shot

Mario

1. For gray\_scale\_emoji\_pic\_2
   1. Use the above program to print out picture 2
   2. Create black border around picture
      1. Take screen shot

Dog

1. For color\_emoji\_pic\_1 You can use/copy the emojis at the top of the file and use them wherever is necessary. Dimensions are 21x40.
   1. Create a program that prints out an emoji pic based on the three-digit tuples that represent the RGB values. For example, 101 would be magenta.
      1. Take screen shot
   2. Do the “black and white” version of the picture. Basically, if the triple has more than one 1 make it white, otherwise, make it black.
      1. Take a screen shot

Solo work

1. Make your own emoji pic that’s at least 5x5 and has more than one color