In order to run this program, you will need to have the following libraries and dependencies installed:

* The Pillow library, which is a fork of the Python Imaging Library (PIL), it provides image processing capabilities. You can install it by running pip install pillow in the command line.
* The webcolors library, which provides color name to color value conversions and vice versa. You can install it by running pip install webcolors in the command line.

Sure, here's an example of how you can create a function that applies a sepia filter to an image concurrently using the concurrent.futures library:\\

| from concurrent.futures import ThreadPoolExecutor from PIL import Image import webcolors  def make\_sepia(image\_path):  img = Image.open(image\_path)  img = img.convert("RGB")  pixels = img.load()  width, height = img.size  for x in range(width):  for y in range(height):  r, g, b = pixels[x, y]  pixels[x, y] = (int(r \* 0.393 + g \* 0.769 + b \* 0.189),  int(r \* 0.349 + g \* 0.686 + b \* 0.168),  int(r \* 0.272 + g \* 0.534 + b \* 0.131))   img.save("sepia\_" + image\_path)  def main():  image\_paths = ["image1.png", "image2.png","image3.png"]  new\_color = webcolors.rgb\_to\_hex((255, 0, 0)) # red   with ThreadPoolExecutor() as executor:  results = [executor.submit(make\_sepia, image\_path) for image\_path in image\_paths]  for f in results:  print(f.result())  if \_\_name\_\_ == "\_\_main\_\_":  main() |
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