Write a program implementing an image processing pipeline using Python and OpenCV to remove noise from image.

Code

```python
import cv2

def remove_noise(image_path, output_path):
    # Read the image
    img = cv2.imread(image_path)

    # Apply Non-Local Means Denoising
    denoised_img = cv2.fastNlMeansDenoisingColored(img, None, 10, 10, 7, 21)

    # Save the denoised image
    cv2.imwrite(output_path, denoised_img)

if __name__ == "__main__":
    # Replace 'input_image.jpg' with the path to your input image
    input_image_path = '/content/null.jpg'

    # Replace 'denoised_image.jpg' with the desired output file path
    output_image_path = '/content/denoised_image.jpg'

    remove_noise(input_image_path, output_image_path)
```
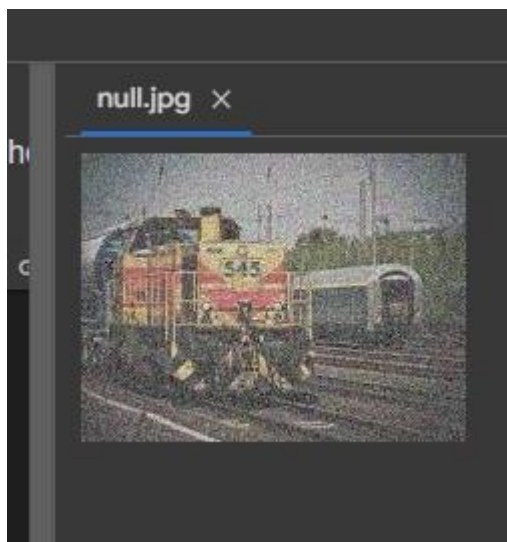
Output

Before   After