```
# Import required libraries
import cv2
from google.colab.patches import cv2_imshow
from google.colab import files
import numpy as np

# Upload image
uploaded = files.upload()

# Read the image
image_path = next(iter(uploaded))
image = cv2.imdecode(np.frombuffer(uploaded[image_path], np.uint8), cv2.IMREAD_COLOR)

# Show original image
print("Original Image:")
cv2_imshow(image)

# Get image dimensions
rows, cols = image.shape[:2]

# Define translation matrix (move right by 100px and down by 50px)
translation_matrix = np.float32([[1, 0, 100], [0, 1, 50]])

# Apply the translation
moved_image = cv2.warpAffine(image, translation_matrix, (cols + 100, rows + 50))

# Show moved image
print("Moved Image:")
cv2_imshow(moved_image)
```

Choose Files i10.PNG

- **i10.PNG**(image/png) - 210688 bytes, last modified: 5/6/2025 - 100% done

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Saving i10.PNG to i10.PNG
Original Image:
```

```
Moved Image:
```