

#### 4. Scaling an image to its Bigger and Smaller sizes.

##### PROGRAM:

```
EXP-4.py - C:\Users\reddy\OneDrive\Desktop\COMPUTER VISION\EXP-4.py (3.11.9)
File Edit Format Run Options Window Help
import cv2

# Read image
img = cv2.imread("C:/Users/reddy/OneDrive/Desktop/COMPUTER VISION/Screenshot 2026-02-03 141851.png")

# Check if image is loaded
if img is None:
    print("Image not found")
    exit()

# Bigger image (Zoom In)
bigger = cv2.resize(img, None, fx=2, fy=2, interpolation=cv2.INTER_LINEAR)

# Smaller image (Zoom Out)
smaller = cv2.resize(img, None, fx=0.5, fy=0.5, interpolation=cv2.INTER_AREA)

# Display images
cv2.imshow("Original Image", img)
cv2.imshow("Bigger Image", bigger)
cv2.imshow("Smaller Image", smaller)

cv2.waitKey(0)
cv2.destroyAllWindows()
```

##### OUTPUT:

