```
12 question
import cv2
# Step 1: Read the image
image \ path = r"C:\Users\SAIL\Downloads\CV\snow.jpg" \ \# \ Replace \ with \ your
image path
image = cv2.imread(image_path)
# Check if the image is loaded successfully
if image is None:
  print("Error: Could not load image.")
  exit()
# Step 2: Get the image dimensions
height, width = image.shape[:2]
# Step 3: Define the rotation matrix to perform a 270-degree clockwise rotation
# 270 degrees clockwise is equivalent to a 90 degrees counterclockwise rotation
rotation matrix = cv2.getRotationMatrix2D((width // 2, height // 2), 90, 1)
# Step 4: Apply the rotation to the image
rotated image = cv2.warpAffine(image, rotation matrix, (width, height))
# Step 5: Display the original and rotated images
```

cv2.imshow("Original Image", image)

cv2.imshow("270-degree Rotated Image (Clockwise along Y-axis)", rotated_image)

Wait for a key press and close all windows

cv2.waitKey(0)

cv2.destroyAllWindows()

