```
11 question
import cv2
# Step 1: Read the image
image_path = r"C:\Users\SAIL\Downloads\CV\mouse.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: Perform 180-degree rotation by flipping the image horizontally and vertically
rotated image = cv2.flip(image, -1) # -1 flips both horizontally and vertically
# Step 3: Display the original and rotated images
cv2.imshow("Original Image", image)
cv2.imshow("180-degree Rotated Image (Clockwise along Y-axis)", rotated image)
# Wait for a key press and close all windows
cv2.waitKey(0)
```

cv2.destroyAllWindows()

