

## 12. Perform Edge detection using canny method

### PROGRAM:

```
EXP-12.py - C:\Users\reddy\OneDrive\Desktop\COMPUTER VISION\EXP-12.py (3.11.9)
File Edit Format Run Options Window Help
import cv2

# Read image
img = cv2.imread(r"C:\Users\reddy\OneDrive\Desktop\COMPUTER VISION\iii.jpg")

# Convert to grayscale
gray = cv2.cvtColor(img, cv2.COLOR_BGR2GRAY)

# Apply Gaussian Blur
blur = cv2.GaussianBlur(gray, (5, 5), 0)

# Apply Canny Edge Detection
edges = cv2.Canny(blur, 100, 200)

# Display images
cv2.imshow("Original Image", img)
cv2.imshow("Canny Edge Detection", edges)

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

### OUTPUT:

