

Lesson 3: Drawing Shapes and Adding Text



Draw a line:

```
cv2.line(image, (0, 0), (200, 200), (255, 0, 0), 5) # Blue line
```



Draw a rectangle:

```
cv2.rectangle(image, (50, 50), (150, 150), (0, 255, 0), 3)
```



Draw a circle:

```
cv2.circle(image, (100, 100), 40, (0, 0, 255), -1) # Filled circle
```



Add text:

```
cv2.putText(image, 'OpenCV!', (10, 100),  
cv2.FONT_HERSHEY_SIMPLEX, 1, (255, 255, 255), 2)
```



Color format: Always (B, G, R). For example:

Red = (0, 0, 255)

Green = (0, 255, 0)

Blue = (255, 0, 0)



Tip: Combine drawing with user input to create simple drawing apps or annotation tools.
