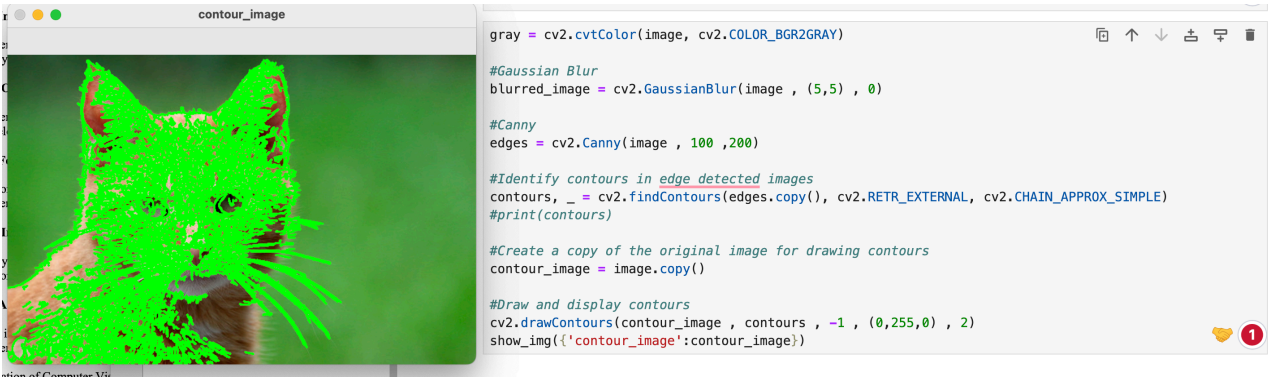


Activity 6



```
[1]: import wx
import cv2
from PIL import Image
import imutils
import numpy as np
import time
```

1

```
[2]: class Frame(wx.Frame):
    def __init__(self, parent, ID=-1, title="CCP CV Assignment"):
        super().__init__(parent, ID, title)

        # Main window holds all the content
        self.main_window = wx.FlexGridSizer(rows=2, cols=1, hgap=10, vgap=10)

        # Contraollers holds all buttons and controls
        self.controllers = wx.FlexGridSizer(rows=4, cols=4, hgap=2, vgap=2)

        # Image Viewer
        self.img_viewer = wx.StaticBitmap(self)

        # Add image viewer and controllers to main window
        self.main_window.Add(self.img_viewer, 0, 0)
        self.main_window.Add(self.controllers, 0, 0)

        self.img_viewer.SetMinSize((500, 500))
        self.controllers.SetMinSize((500, 200))

        # Controller Buttons
        btn_load_img = wx.Button(self, label='Load Image')
        btn_load_img.Bind(wx.EVT_BUTTON, self.OnBrowse)

        btn_reset = wx.Button(self, label='Reset Image')
        btn_reset.Bind(wx.EVT_BUTTON, self.OnReset)

        btn_resize = wx.Button(self, label='Fit Image')
        btn_resize.Bind(wx.EVT_BUTTON,
```