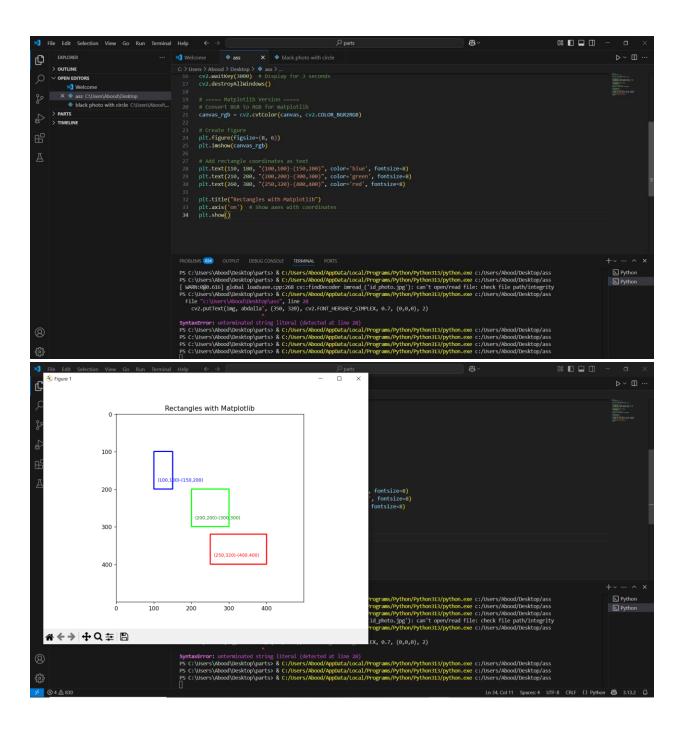
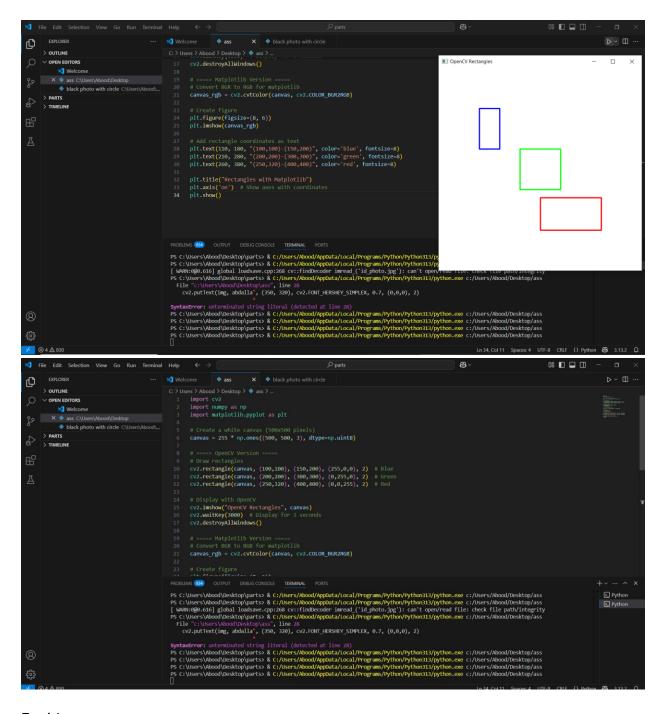
Abdalla abdelnasser 97906

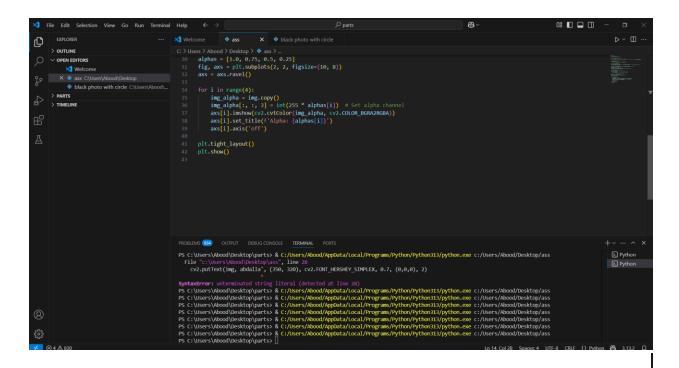
Code: (Draw the following rectangles (100,100) to (150,200) (200,200) to (300,300) (250,320) to (400,400)):

```
import
import as
import .
# Create a white canvas (500x500 pixels)
     = 255 * . ((500, 500, 3), = .
# ===== OpenCV Version =====
# Draw rectangles
  . (
               , (100,100), (150,200), (255,0,0), 2) # Blue
               , (200,200), (300,300), (0,255,0), 2) # Green
         (
               , (250,320), (400,400), (0,0,255), 2) # Red
# Display with OpenCV
  . ("OpenCV Rectangles", )
       (3000) # Display for 3 seconds
              ()
# ===== Matplotlib Version =====
# Convert BGR to RGB for matplotlib
   = . ( , .
# Create figure
 . ( =(8, 6))
       (
              )
# Add rectangle coordinates as text
  . (110, 180, "(100,100)-(150,200)", ='blue',
    (210, 280, "(200,200)-(300,300)",
                                      ='green',
                                                     =8)
  . (260, 380, "(250,320)-(400,400)",
                                      ='red',
                                                    =8)
      ("Rectangles with Matplotlib")
      ('on') # Show axes with coordinates
      ()
```





For id:



Alpha: 1.0



Alpha: 0.75



Alpha: 0.5



Alpha: 0.25



