Source Code :

```
# organizing imports
import cv2
import numpy as np

# path to input images are specified and
# images are loaded with imread command
image1 = cv2.imread('practical_7_inp1.jpg')
image2 = cv2.imread('practical_7_inp2.jpg')

# cv2.addWeighted is applied over the
# image inputs with applied parameters
weightedSum = cv2.addWeighted(image1, 0.5, image2, 0.4, 0)
weightedSub = cv2.subtract(image1, image2)
logicalAnd = cv2.bitwise_and(image1, image2)
logicalOR = cv2.bitwise_or(image1, image2)
logicalXOR = cv2.bitwise_xor(image1, image2)
logicalNot = cv2.bitwise_not(image1)
multiplication = cv2.multiply(image1, image2)
division = cv2.divide(image1, image2)

# the window showing output image
# with the weighted sum
cv2.imshow('Weighted Image', weightedSum)
cv2.imshow('Weighted Image subtraction', weightedSub )
cv2.imshow('Weighted Image multiply', multiplication )
cv2.imshow('Weighted Image division', division )

cv2.imshow('Logical And', logicalAnd)
cv2.imshow('Logical OR', logicalOR)
cv2.imshow('Logical XOR', logicalXOR)
cv2.imshow('Logical Not', logicalNot)

# De-allocate any associated memory usage
if cv2.waitKey(0) & 0xff == 27:
  cv2.destroyAllWindows()
```

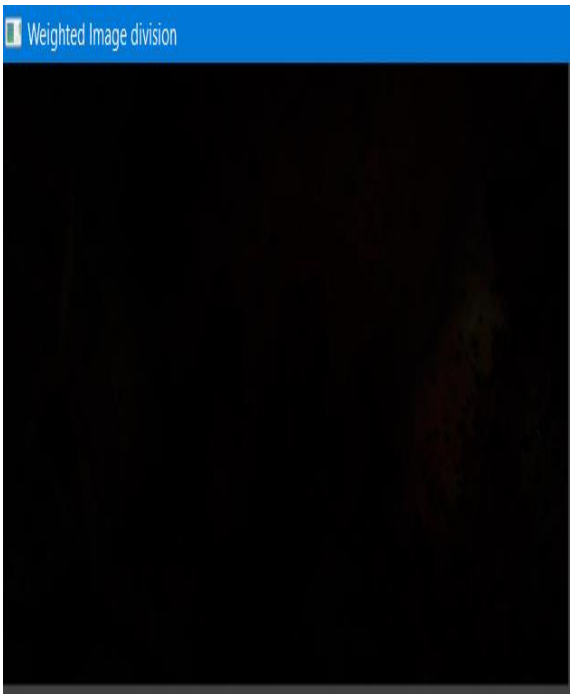
Input :

Addition

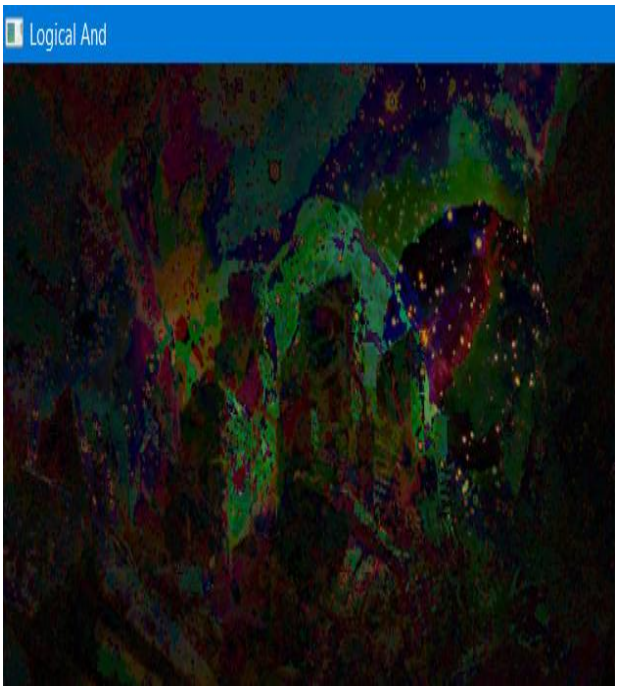
Subtraction

Multiply

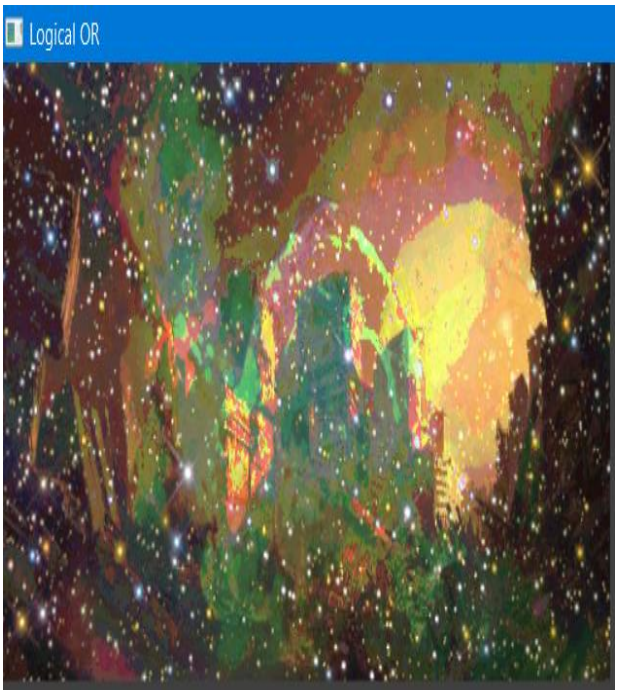
Division



AND



OR



XOR

NOT