USING FOR LOOP:

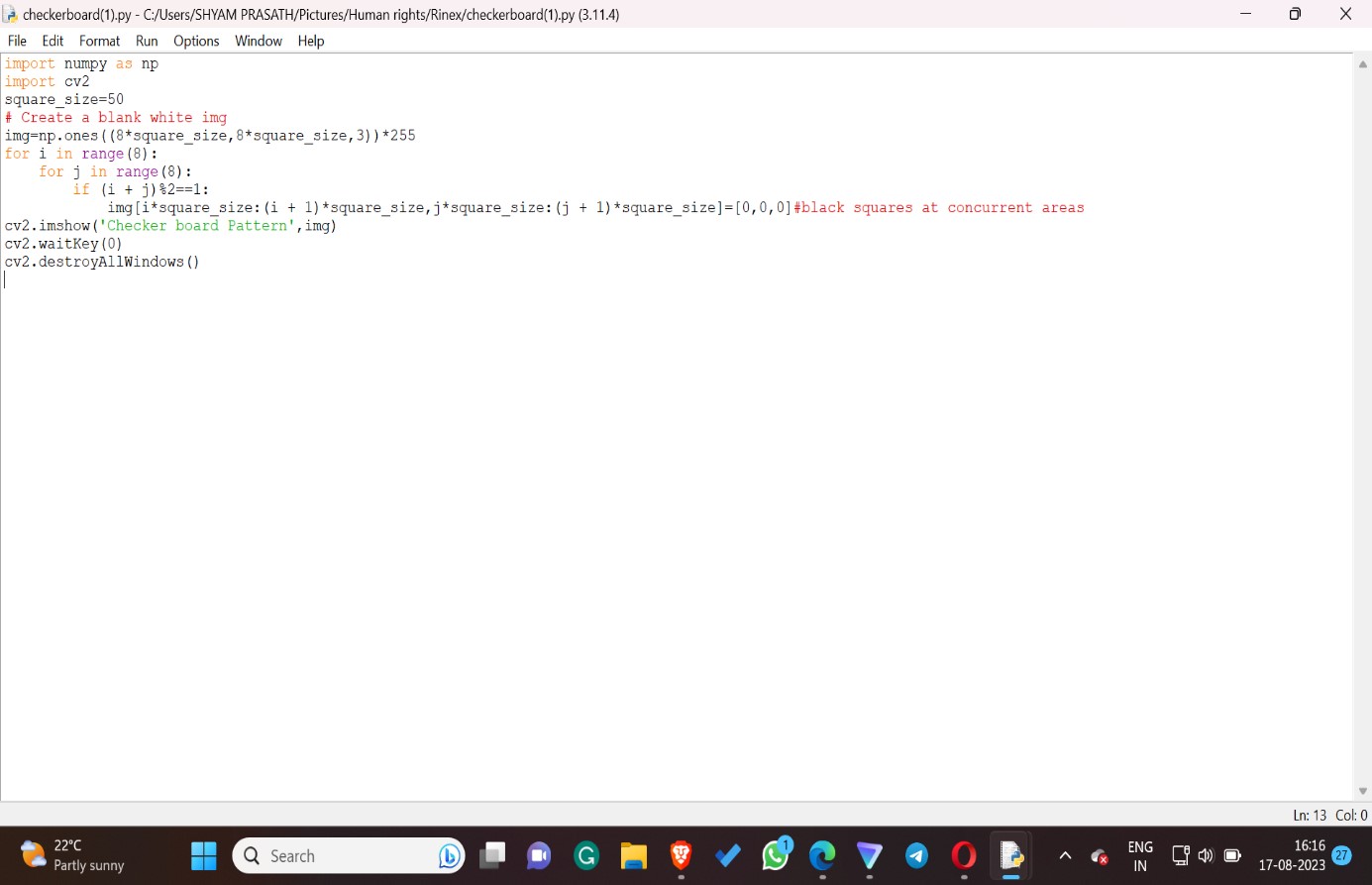
import numpy as np import cv2 square\_size=50

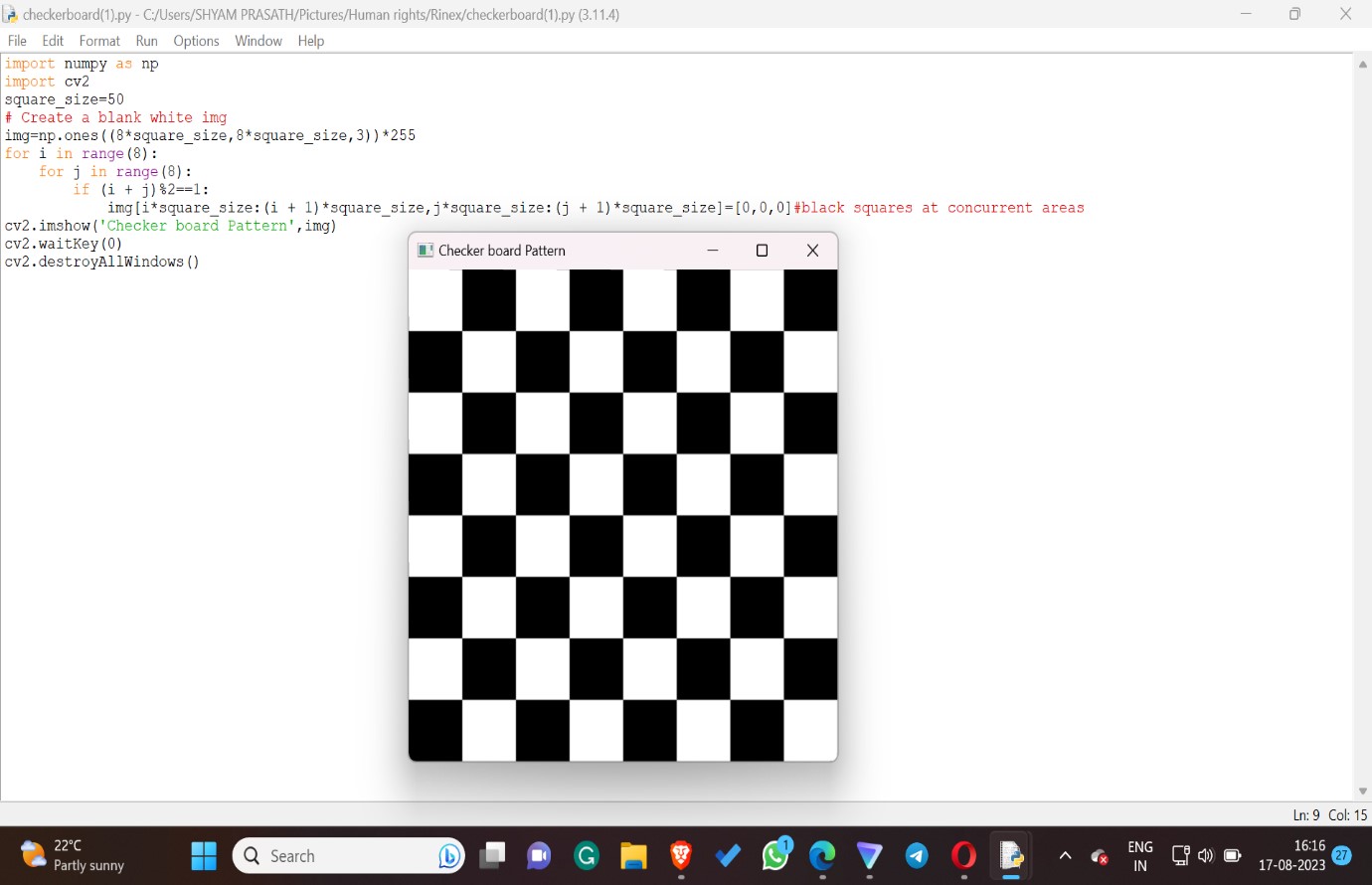
# Create a blank white img

img=np.ones((8\*square\_size,8\*square\_size,3))\*255 for i in range(8): for j in range(8): if (i + j)%2==1:

img[i\*square\_size:(i + 1)\*square\_size,j\*square\_size:(j + 1)\*square\_size]=[0,0,0]#black squares at concurrent areas cv2.imshow('Checker board Pattern',img) cv2.waitKey(0) cv2.destroyAllWindows()

OUTPUT:





USING WHILE LOOP:

import numpy as np import cv2

square\_size=50 #rough idea of square area

# Create a blank white canvas

img=np.ones((8\*square\_size,8\*square\_size,3))\*255 i=0 while i<8:

j=0 while j<8: if (i+j)%2==1:

img[i\*square\_size:(i+1)\*square\_size,j\*square\_size:(j+1)\*squa re\_size]=[0,0,0]#black covering area j=j+1 i=i+1

cv2.imshow('Chessboard Pattern(8 x 8)',img) cv2.waitKey(0) cv2.destroyAllWindows()

OUTPUT:

