MINI PROJECT 2

DATE:19/08/2022

Name: P DEVENDER

Course: Machine learning with python

College: ACE Engineering college, Ghatkesar, Hyderabad.

Branch: Mechanical

Year: Second

Project: Create 8x8 checkerboard using NumPy and OpenCV

MINI PROJECT 2

Python program for 8x8 checkerboard using NumPy and OpenCV

```
import numpy as np
import cv2 as cv

img = np.zeros((800,800,3))
img[0:100,0:100] = 255,255,255
img[0:100,200:300] = 255,255,255
img[0:100,400:500] = 255,255,255
img[0:100,600:700] = 255,255,255

img[100:200,100:200] = 255,255,255
img[100:200,300:400] = 255,255,255
img[100:200,500:600] = 255,255,255
img[100:200,700:800] = 255,255,255

img[200:300,0:100] = 255,255,255
img[200:300,200:300] = 255,255,255
img[200:300,400:500] = 255,255,255
img[200:300,600:700] = 255,255,255
```

img[300:400,100:200] = 255,255,255
img[300:400,300:400] = 255,255,255
img[300:400,500:600] = 255,255,255
img[300:400,700:800] = 255,255,255

img[400:500,0:100] = 255,255,255
img[400:500,200:300] = 255,255,255
img[400:500,400:500] = 255,255,255
img[400:500,600:700] = 255,255,255

img[500:600,100:200] = 255,255,255
img[500:600,300:400] = 255,255,255
img[500:600,500:600] = 255,255,255
img[500:600,700:800] = 255,255,255

img[600:700,0:100] = 255,255,255
img[600:700,200:300] = 255,255,255
img[600:700,400:500] = 255,255,255
img[600:700,600:700] = 255,255,255

img[700:800,100:200] = 255,255,255
img[700:800,300:400] = 255,255,255
img[700:800,500:600] = 255,255,255
img[700:800,700:800] = 255,255,255

```
cv.imshow('CHECKER_BOARD',img)
cv.waitKey(0)
cv.destroyAllWindows()
```

OUTPUT: