

MINI PROJECT - 2

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YEAR : FIRST YEAR

Topic : 8 x 8 'CHECKER BOARD'

#checker board 8x8

```
import numpy as np
import cv2
```

```
img = np.zeros((800, 800, 3))
```

```
i = 0
```

```
j = 100
```

```
while (i <= 700):
```

```
    k = 100
```

```
    l = 200
```

```
    while (k <= 700):
```

```
        #img[i:j, k:l] = 255, 255, 255
```

```
        # a = 1/200
```

```
        if (l%200 == 0):
```

```
            i += 100
```

```
            j += 100
```

```
            img[i:j, k:l] = 255, 255, 255
```

```
            cv2.imshow('CHECKER BOARD', img)
```

```
            cv2.waitKey(2)
```

```
        else :
```

```
            i -= 100
```

```
            j -= 100
```

```
            img[i:j, k:l] = 255, 255, 255
```

```
            cv2.imshow('CHECKER BOARD', img)
```

```
            cv2.waitKey(2)
```

```
    k += 100
```

```
    l += 100
```

```
    j += 100
```

```
    i += 100
```

```
img[0:100, 0:100] = 255, 255, 255
```

```
img[200:300, 0:100] = 255, 255, 255
```

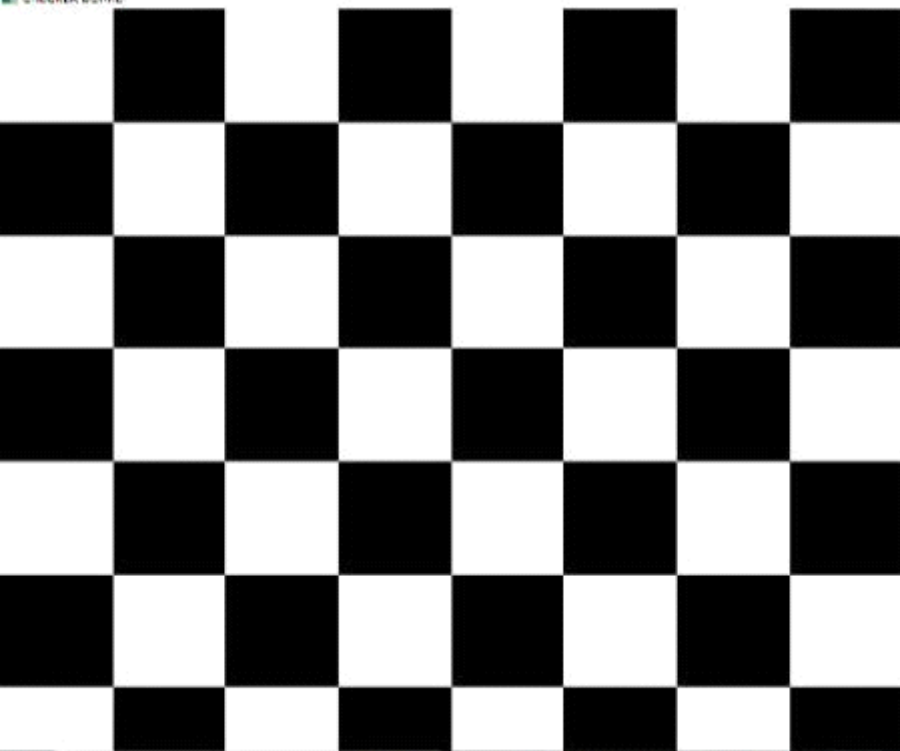
```
img[400:500, 0:100] = 255, 255, 255
```

```
img[600:700, 0:100] = 255, 255, 255
```

```
cv2.imshow('CHECKER BOARD', img)
```

```
cv2.waitKey(0)
```

```
cv2.destroyAllWindows()
```



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