

Program 6

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1 PROGRAM 6

Aim : Write a numpy program to create a 8 x 8 matrix and fill it with a checkerboard pattern `[[0 1 0 1 0 1 0 1] [0 1 0 1 0 1 0 1] [1 0 1 0 1 0 1 0]]`

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```
[3]: arr=np.zeros((8,8),dtype=np.int64)
      arr[::2,1::2]=1
      arr[1::2,::2]=1
      print(arr)
```

```
[[0 1 0 1 0 1 0 1]
 [1 0 1 0 1 0 1 0]
 [0 1 0 1 0 1 0 1]
 [1 0 1 0 1 0 1 0]
 [0 1 0 1 0 1 0 1]
 [1 0 1 0 1 0 1 0]
 [0 1 0 1 0 1 0 1]
 [1 0 1 0 1 0 1 0]]
```