

Shefali Emmanuel's HW10

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In [33]: import numpy as np

#option number 1
x = np.array([(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)])

print("Array = ")
print(x)

#option number 2
x = np.zeros((8,8),dtype=int) #if you dont have the data type as an integer, it will print with .
x[1::2,::2]=1
x[:,1::2]=1

print("Array = ")
print(x)

#option number 3
x = np.ones((8,8),dtype=int) #if you dont have the data type as an integer, it will print with .

x[:,1::2]=0
x[1::2,::2]=0

print("Array = ")
print(x)
```

```
Array =  
[[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]]  
Array =  
[[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]]  
Array =  
[[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]  
 [0 1 0 1 0 1 0 1]]
```

In []:

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