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CA: 2

Subject: python Lab EVALUATION

Course coad: CAP776

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Coad:

Ques 1:

```
import numpy as np
A=[15,0,17,0,18,0,13,11,18,20]
B=[9,10,4,0,8,12,0,0,18,17]
C=[16,6,2,10,0,0,0,11,9,5]
outA1=[]
outA2=[]
for i in A:
    if(i==0):
        outA1.append(i)
    else:
        outA2.append(i)
print("Group A: ",end=' ')
print (np.array(outA2+ outA1))

outA1.clear()
outA2.clear()

for i in B:
    if(i==0):
        outA1.append(i)
    else:
        outA2.append(i)
print("Group B: ",end=' ')
print (np.array(outA2+ outA1))
outA1.clear()
outA2.clear()

for i in C:
    if(i==0):
        outA1.append(i)
    else:
        outA2.append(i)
print("Group C: ",end=' ')
print (np.array(outA2+outA1))
```

## OUTPUT

```
PS D:\Practice Self\PYTHON> & C:/Python311/python.exe "d:/Practice Self/PYTHON/CA2/zerosMarks.py"
Group A: [15 17 18 13 11 18 20 0 0 0]
Group B: [ 9 10  4  8 12 18 17 0 0 0]
Group C: [16  6  2 10 11  9  5 0 0 0]
PS D:\Practice Self\PYTHON>
* History restored
PS D:\Practice Self\PYTHON>
```

## QUES 2

```
import numpy as np
list1=[]
for i in range(0,64):
    if(i%2==0):
        list1.append(0)
    else:
        list1.append(1)
arr1=np.array(list1)
newarray=arr1.reshape(8,8)
print(newarray)
```

## OUTPUT

[illegible]