

Class Activity - 2/06/23

## 2. How does a decimal value waste memory space?

Decimal types are stored using binary codes for the decimal digits. The representations are called binary coded decimal (BCD). Because of this, they take more storage than binary representations. It takes four binary bits to store a single decimal digit, but the four bits are capable of storing 16 different values.

0.1 in binary = 0.0001100110011001101

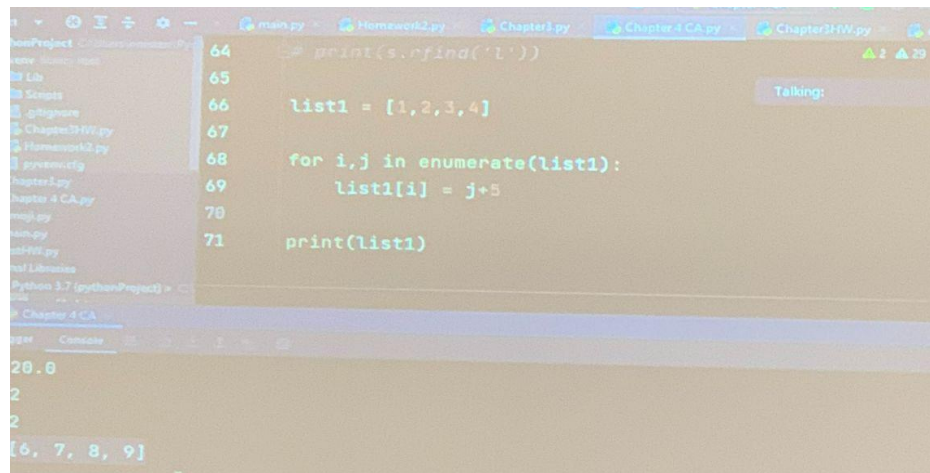
Class Activity - 2/08/23

### Notes:

Enumerate in python for loop

For loop scope does not reach memory allocation on its own

Working example using enumerate



```
64     print(s.rfind('l'))
65
66     list1 = [1,2,3,4]
67
68     for i,j in enumerate(list1):
69         list1[i] = j+5
70
71     print(list1)
```

Python 3.7 (pythonProject) >

20.0

2

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[6, 7, 8, 9]