Integers

- Integers are just bytes - zeros and ones

- Example: 5 = 0b101

- Can see binary representation of a number x using bin(x)

- Use case: finding duplicated number using XOR (may see in section 7: LeetCode practice)

- Bitwise operations can be very powerful but also sometimes difficult to understand and solutions can be difficult to come up with

Generators and iterators

- Example: range(a, b)

- Generators and iterators are similar - basically, an interface to a function that generates terms of a sequence one after the other

- Can be accessed using for loops or next(...)

- Can be defined using yield instead of return - "returns" multiple times:

```
def myRange(a, b, step=1):
    x = a
    while x < b:
        x += step
        yield x
```