

### Variables and loops

These problems are designed to start getting you to break down problems into steps. In reality, it's not particularly useful to print out sequences of numbers but this kind of thinking is critical for solving larger problems!

This is your time – stay on topics for this class, but feel free to practice converting numbers to and from different bases, declaring and using variables, etc.

Create a class and call it something descriptive. Write and call the following methods:

1. Print out the sequence 97, 94, 91, 88, 85, 82 using a loop
2. Print out all odd numbers between 1 and 21 using a loop
3. Print out the following pattern:

```
1
22
333
4444
55555
```

4. Print out the following pattern (each line is 40 characters wide):

```
-----
_ ^ _ ^ _ ^ _ ^ _ ^ _ ^ _ ^ _ ^ _ ^ _ ^ _ ^ _ ^
1122334455667788990011223344556677889900
-----
```

5. Print out the following pattern:

```
-----1-----
----333----
---55555---
--7777777--
-999999999-
```