**Coding challenge**

A rust program is needed which creates, populates and tests a *custom iterator* of your own choosing.

**Visit either:**

Wikipedia Contributors (2023). ***List of integer sequences***. [online] Wikipedia. Available at: **https://en.wikipedia.org/wiki/List\_of\_integer\_sequences** [Accessed 12 Jun. 2023].

‌or

Oeis.org. (2023). ***The On-Line Encyclopedia of Integer Sequences® (OEIS****®)*. [online] Available at: **https://oeis.org/** [Accessed 12 Jun. 2023].

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**Design notes:**

* Your code should create the necessary structures and implementation to create and populate your chosen sequence.
* Create any additional “helper” functions necessary.
* Try using next(), skip(), take() methods and “for” loops to demonstrate their use.

**Extension task:**

Non-numeric sequences are also possible… if you have time, attempt one.