an integer act like a string without casting it — only strings and characters can be joined together.

For both examples, the output would be:

```
0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 50
```

A note from our coding mentor
Jared

Hey again, have you ever wondered where a string variable gets its name from? According to an **article on StackOverflow**:

"The 1971 OED (p. 3097) quotes an 1891 Century Dictionary on a source in the Milwaukee Sentinel of 11 Jan. 1898 (section 3, p. 1) to the effect that this is a compositor's term. Printers would paste up the text that they had generated in a long strip of characters."

Instructions

First, read **example.py**.

- **example.py** should help you understand some simple Python. Make sure you read all of **example.py**.

- You may run **example.py** to see the output. Feel free to write and run your own example code before doing the Task to become more comfortable with Python.

Compulsory Task 1

Follow these steps:

- Create a program called **alternative.py** that reads in a string and makes each alternate character an UPPERCASE character and each other alternate character a lowercase character (e.g, the string "Hello World" would become "HeLlO WoRlD").

- Now, try starting with the same string but making each alternative word lower and upper case (e.g. the string: "I am learning to code" would become "i AM learning TO code"). Using the split and join functions will help you here.

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