

# Snake

## General instructions

- Work with PyCharm
- It is recommended to 'play around' with the Python interpreter.
- Adhere to conventions.
- Check your solution before handing it in.
- **Think Python!**

## Snake

Omer spent many hours working on python lessons and exercises, and wanted to send the ITC Fellows something else for a change. He found the perfect thing and wanted to upload it to the exercise site, but when he did – the CYBER MONSTER came and started messing it up!

She changed the order of the letters in every word (so 'hello' became 'olleh'), and then she changed every space ( ' ') to a random number (for example, "hello make my world" became "hello2make5my9world").

As if that wasn't enough, the monster then used a substitution cipher, and changed each letter to a different one, using this dictionary:

```
{'s': 'L', 'b': 's', 'w': 'O', 'z': 'G', 'c': 'o', 'j': 'y', 'V': 't', 'P': 'w', 'B': 'f', 'Z': 'q', 'F': 'k', 'O': 'N', 'u': 'A', 'W': 'r', 'K': 'K', 'a': 'D', 'v': 'I',  
'g': 'S', 'f': 'x', 'x': 'c', 'N': 'e', 'p': 'b', 'U': 'a', 'j': 'P', 'o': 'Q', 'i': 'I', 'M': 'd', 't': 'U', 'H': 'V', 'X': 'i', 'Y': 'T', 'R': 'H', 'h': 'X', 'L': 'z',  
'G': 'F', 'A': 'W', 'm': 'n', 'T': 'u', 'I': 'B', 'C': 'Z', 'q': 'p', 'D': 'v', 'I': 'g', 'n': 'h', 'y': 'C', 'S': 'j', 'k': 'M', 'd': 'J', 'Q': 'E', 'e': 'Y', 'r': 'R',  
'E': 'm'}
```

Finally, the following string came out:

"YXu0hYq1xQ4,hQXUCw8Cs7nlu8BAxIUADYf\n\nLRYUYw5LI0RYUUYs6hDXU3UIoIBbcm\n\nCBSA5LI7RYUUYs2hDXU8YBbnIj\n\nUIoIBbnI2LI8RYUUYs7hDXU2cYBbnQZ\n\n.cYBbnQo1LI9RYUUYs7hDXU4UDBk\n\n.JYUDoIBbnQo4LI3RYUUYs8hDXU6YLRDbj\n\n.JYULYh8LI3RYUUYs8hDXU1CUIBIsDJDYH\n\n.YLhYJ7BDIoYbj\n\n.LUhAQo0LYLDo3U'hYRD2BDIoYbL2XSAQhY0QU0MDYRs0YXU4XSAQXUBW\n\n.LYBAR8CUIBDolUoDRb1LUDYs2LRQRRm\n\n.CUIRab3JBAQXL6RYIYh9LLDb0LLYBha\n\n.CBUhYBIL0CBUIoIBbcY9hg\n\n.JYohYBIL1YXU5YoDx7xQ6,CUIASIsnD8YLaxYR0YXU9hQIUDUbnYU4QU3YRYXu\n\n.LLYAS1JBAQXL7Ys3--YhQ2JhD2CBsDRYxYRb2CBhQ9YhQ6LAQIlSQ--9CDO7QU1QJ0XSAQXUBW\n\n.UI4UDXU5CDO0CDn2UQh7Ys2LAQIlS0UD2ULRix8LLYBhA2YR'AQC1OQe\n\n.XoUAav7LI3RYUUYs0hDXU8XSAQXUBW\n\n.RYIYh0RYIYh5LI9hYUxQ0RYUUYs2hDXU8\*UXSIR\*9xg\n\n.OQh4YXU3hQIUDUhYnYBbnI9LI1JRDx0QU6,hIDBbcY5L'UI3D7JDs6xg\n\n.DYJI4YXU6hQIUDUhYnYBbnI9LI9CLDY4QU3,hIDBbcY2UI5CDn4Ys8D8JQQS1LYoDbLYndE\n\n.DYJI0YRD9YhQ6ShIMhQX2UDYRS4DYJI3--9L'UYB5QJ8YRQn9xQ0!YLQXU"

Nice, right?

Beat the CYBER MONSTER and read the message!

Good luck!