

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 and Shay spent many hours working on python lessons and exercises, and wanted to send the ITC fellows something else for a change. They found the perfect thing and wanted to upload it to the exercise site, but when they 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': 'T', 'g': 'S', 'f': 'x', 'x': 'c', 'N': 'e', 'p': 'b', 'U': 'a', 'j': 'P', 'o': 'Q', 'i': 'T', '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', 'T': '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,hQXUCw8Cs7nIu8BAxIUADYf\n\nLRYUYw5LI0RYUUYs6hDXU3UIoIBbcm\n.CBSA5LI7RYUUYs2hDXU8YBbnIj\n.UIoIBbnI2LI8RYUUYs7hDXU2cYBbnQZ\n.cYBbnQo1LI9RYUUYs7hDXU4UDBk\n.JYUDoIBbnQo4LI3RYUUYs8hDXU6YLRDbj\n.JYULYh8LI3RYUUYs8hDXU1CUIBIsDJDYH\n.YLhYJ7BDIoYbj\n.LUhAQo0LYLD03U'hYRD2BDIoYbL2XSAQhY0QU0MDYRs0YXU4XSAQXUBW\n.LYBAR8CUIBD0IUoDRb1LUDYs2LRQRRm\n.CUIRab3JBAQXL6RYIYh9LLDb0LLYBha\n.CBUhYBIL0CBUIoIBbcY9hg\n.JYohYBIL1YXU5YoDx7xQ6,CUIASIsnD8YLAxYR0YXU9hQIUDUbnYU4QU3YRYXu\n.LLYAS1JBAQXL7Ys3--YhQ2JhD2CBsDRYxYRb2CBhQ9YhQ6LAQIIsQ--9CDO7QU1QJ0XSAQXUBW\n.UI4UDXU5CDO0CDn2UQh7Ys2LAQIIsQ0UD2ULRIx8LLYBhA2YR'AQC1OQe\n.XoUAv7LI3RYUUYs0hDXU8XSAQXUBW\n.RYIYh0RYIYh5LI9hYUxQ0RYUUYs2hDXU8*UXSIR*9xg\n.OQh4YXU3hQIUDUhYnYBbnI9LI1JRDx0QU6,hIDBbcY5L'UI3D7JDs6xg\n.DYJI4YXU6hQIUDUhYnYBbnI9LI9CLDY4QU3,hIDBbcY2UI5CDn4Ys8D8JQQS1LYoDbLYnDe\n.DYJI0YRD9YhQ6ShIMhQX2UDYRS4DYJI3--9L'UYB5QJ8YRQn9xQ0!YLQXU"
```

Nice, right?

Beat the CYBER MONSTER and read the message!

Good luck!