

Python Classes Task

Practice how to use protocols

Using only this [link](#), in the file my_numbers.py inside the Polynomial class Override as smartly and beautiful as you can the next methods:

- `__str__`
- `__repr__`
- `__len__`
- `__bool__`
- `+`
- `-`

Practice the use of `__new__`

1. Create a **Singleton** Class that uses `__new__` to insure that you can only have one instance.
2. Create a Class that can have only **5** instances in one time.
3. Create a Class that can have only **n** instances in one time.
4. Create a Class that adds functionality to `str`.
 - a. add `">>> "` at the beginning of the string.
 - b. Add a new line at the end.