

Assignment 01

Spring 2023 OOP (due: 10-10-23)

The mode of submission will be advised later.

Create/define a comprehensive class for Polynomial expressions of one variable with all possible functionalities members as properties, constructors, functions and operations. In case logic of some functionality is complex, just write pass in the MUST define class member. You must think of several instance members as well as static methods too.

If possible, provide redundant functions to perform a task in variety of ways, e.g., properties and getters/setters, member functions and magic/dunder methods. But try to make sure the code re-use at the best possible.

You have to create the class in a separate file and the test/driver code in another file. You need to provide many test cases to demonstrate the working of class functionalities.

Note: we had a discussion on the class Polynomials in the class session about a week ago.