**3. c)** I specified *Polynomials Calculus ADT* by using class in Python.

The class has several methods such as

* **add(stack\_of\_polynomial\_1,stack\_of\_polynomial\_2)**
* **multiplicate(stack\_of\_polynomial\_1,stack\_of\_polynomial\_2)**
* **differentiate(stack\_of\_polynomial\_1,stack\_of\_polynomial\_2)**
* **operand(stack\_of\_polynomial\_1,stack\_of\_polynomial\_2).**

When the program is implemented, the user enters two polynomials and specifies the operation which he wants to do on these polynomials. The program analyze his answer and by implementing **operand** method choses which operation to do and prints the answer.

So, the program is interactive for a user and he should not be concerned about its implementing; his goal is just to input two polynomials and the operation in the certain form. So, I think the main goal of implementing an ADT is achieved.

**d)** Integration, division and subtraction could be added as they can be also implemented by using **Stack** data type.