project 0:

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In this project we were requested to do a couple of things like :

1)creating a monom

2)creating a polynom

3)apply different functions to both monom/polynom such as :

(a)derivative of a monom/polynom

(b)adding a monom to the polynom sequence

(c)subtracting two polynoms

(d)finding an area using Rieman's Integral

(e)finding a root of f(x)

and so on....

The Class monom :

This class represents a "monom" of a shape a*x^p such that p belongs to the Z+ world and a is any number but not a complex one and is cannot be equal to zero.

functions and operations used in this class :

1)a constructor

2) value at x

3)derivative

4)add

5)multiply

The Class Polynom :

we created a polynom from an array list of monom's

functions /operations / methods used in this class:

1)Iterator();

2)boolean hasNext()

3)Objectnext()

4)void remove()

5)isZero

6)equals

7)copy

8)area

9)toString