# Matala0

Summary:
The project deals with two main classes – Monom and Polynomial.

An object from the Monom class is represented by 'a' and 'b'.
a =is a double number that represent the coefficient of the monom, b =is a integer number that represent the power of the Monom. It's shape: a*x^b.

An object from the polynom class is a collection of Monoms. In order to realize a Polynom we used the **LinkedList class** where each node contains Monom.

Main Methods:

**Add**- monom+monom, polynom+monom , polynom+polynom.
**Multiply** - monom*monom, polynom*monom , polynom*polynom.
**Substract** - polynom-polynom.
**Equals** - check if monom=monom, check if polynom=polynom.
**Root** - check and calculator if there is a point with X-axis on this Polynom. If return -1 its error.
**Area** - calculator the area between the function(Polynom) to the X-axis.
**Derivative** - calculate derivative of this Polynom.