**Ex 0-readme file:**

**Class Monom:**

* **Constructor Monom(String s)-**

**The constructor gets a string and create a monom from the pattern ax^b. where a is a number from type double and b is a number from type int and only positive(throws exception in case of getting negative number). If the constructor gets a letter from the “abc..” it will ignore it and continue running. The method also does not get a complex string.**

* **Public void add(Monom m)-**

**The method gets a monom and adding it to this.monom.**

**It will add the m.coefficient to this.coefficient only in case the power is equal. in case one this.monom is a zero monom it will get the value of m.**

* **Public void multipy(Monom d)-**

**The method return the value of this.monom multiplying monom d-their coefficients will be multiplying and their powers will be added.if one of then is the zero monom the value returned will be 0.**

* **Public String toString()-**

**The method return the monom in string like :ax^b where a is type of double and b is type of int.**

**Class Polynom:**

* **Added variables-**

**private ArrayList <Monom> monomList- an arrayList of monoms,built to store the polynom.**

**private Monom\_Comperator sortMonom- sort the monoms component the polynom from the biggest degree to the smallest.**

* **public Polynom()-**

**default constructor. Initialize the polynom to the zero polynom.**

* **Public Polynom(String s)-**

**Constructor to build the polynom from a given string.**

**The constructor**