UML Diagram

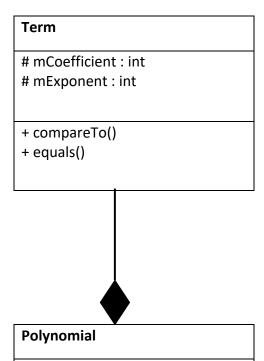| Term |
| --- |
| # mCoefficient : int
 # mExponent : int |
| + compareTo()
 + equals() |

Polynomial
polyString : String
+ split(String, LinkedList)   + add(LinkedList, LinkedList)   + print()

Sequence Diagram

Program   **User**

Print menu to screen

Prompt user for input

Choose first polynomial

Prompt user for term

Enter term

Repeat until first polynomial is
complete

Print menu

Choose second polynomial

Prompt user for term

Enter term

Repeat until second polynomial is
complete

Print menu

Choose to add polynomials

Print resulting polynomial

Print menu

Choose to exit