

E:\USFFall16\COP3331\Lectures\07Chapter10OperatorOverloading\Polynomial2\Polynomial.exe

Enter two Polynomials :

First Polynomial :

Enter number of polynomial terms: 4

Enter coefficient: 8

Enter exponent: 3

Enter coefficient: 5

Enter exponent: 2

Enter coefficient: 3

Enter exponent: 1

Enter coefficient: 4

Enter exponent: 0

Second Polynomial :

Enter number of polynomial terms: 5

Enter coefficient: 3

Enter exponent: 4

Enter coefficient: 6

Enter exponent: 3

Enter coefficient: 2

Enter exponent: 2

Enter coefficient: 5

Enter exponent: 1

Enter coefficient: 10

Enter exponent: 0

First polynomial is:

$4+8x^3+5x^2+3x$

Second polynomial is:

$10+3x^4+6x^3+2x^2+5x$

Adding the polynomials yields:

$14+3x^4+14x^3+7x^2+8x$

+= the polynomials yields:

$14+3x^4+14x^3+7x^2+8x$

Subtracting the polynomials yields:

$-6+2x^3+3x^2-2x-3x^4$

-= the polynomials yields:

$-6+2x^3+3x^2-2x-3x^4$

Multiplying the polynomials yields:

$40+80x^4+135x^3+73x^2+50x$

*= the polynomials yields:

$40+80x^4+135x^3+73x^2+50x$

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