CSC 340.01 Homework #4 Problem 1

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Read Me

Running the program will prompt the user to enter degree for polynomials 1 and 2 then there will be a menu where you can choose which calculations you wish to do

Sample Output:

Enter Polynomial 1:

Enter Degree Of Polynomial:2

Enter coefficient of x^2:2

Enter coefficient of x^1:1

Enter coefficient of x^0:1

Enter Polynomial 2:

Enter Degree Of Polynomial:4

Enter coefficient of x^4:3

Enter coefficient of x^3:6

Enter coefficient of x^2:4

Enter coefficient of x^1:2

Enter coefficient of x^0:1

Number corresponds to function

1: Addition

2: Substraction

3: Multiplication

4: Division:

0: Exit

Enter your choice:1

--------------- Addition ---------------

Polynomial1:2x^2+1x^1+1x^0

Polynomial2:3x^4+6x^3+4x^2+2x^1+1x^0

Addition:3x^4+6x^3+6x^2+3x^1+2x^0

----------------------------------------

Number corresponds to function

1: Addition

2: Substraction

3: Multiplication

4: Division:

0: Exit

Enter your choice:2

------------- Substraction -------------

Polynomial1:2x^2+1x^1+1x^0

Polynomial2:3x^4+6x^3+4x^2+2x^1+1x^0

Substraction:-3x^4+-6x^3+-2x^2+-1x^1+0x^0

----------------------------------------

Number corresponds to function

1: Addition

2: Substraction

3: Multiplication

4: Division:

0: Exit

Enter your choice:3

----------- Multiplication -------------

Polynomial1:2x^2+1x^1+1x^0

Polynomial2:3x^4+6x^3+4x^2+2x^1+1x^0

Multiplication:3x^4+6x^3+8x^2+2x^1+1x^0

----------------------------------------

Number corresponds to function

1: Addition

2: Substraction

3: Multiplication

4: Division:

0: Exit

Enter your choice:4

----------- Division -------------

Polynomial1:2x^2+1x^1+1x^0

Polynomial2:3x^4+6x^3+4x^2+2x^1+1x^0

Division:3x^4+6x^3+0x^2+0x^1+1x^0

----------------------------------------

Number corresponds to function

1: Addition

2: Substraction

3: Multiplication

4: Division:

0: Exit

Enter your choice:0

Program Terminated by user

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Process exited after 24.79 seconds with return value 0

Press any key to continue . . .