|  |
| --- |
| Sum of Polynomials |
| Team 2 | Project 1B |

|  |
| --- |
| 2024 | By: Katie Dunn, Timothy Huffman, Tyler Blackmore |

****

|  |
| --- |
| Combining Polynomials |
| How It Was Done |
| How Does It Work? This program takes 2 polynomials, entered as strings, and combines them together, sorting them by largest to smallest exponent while also combining anything it can. It uses 2 classes, Term, and PolynomialList to do so.  Upon starting the program, you’ll be greeted with a menu of sorts, giving you options to insert polynomials, add them together, and return a result. Just enter the number next to an operation to start it. Possible Improvements? The menu could be expanded on more in order to bring a friendly user interface when adding polynomials. Test Cases Entered 1x^2 and 1x, the program correctly returned 1x^2 + x  Entered (2x^3 + 2x) and (-2x^3 + 3x^2 + 4), correctly returned 3x^2 + 2x + 4 Who Did What? Tim organized the GitHub repository and worked on the main program along with helping with the Terms class and implementation. Katie worked on both Terms and Polynomial class implementation. Tyler did some debugging and helped with documentation. |