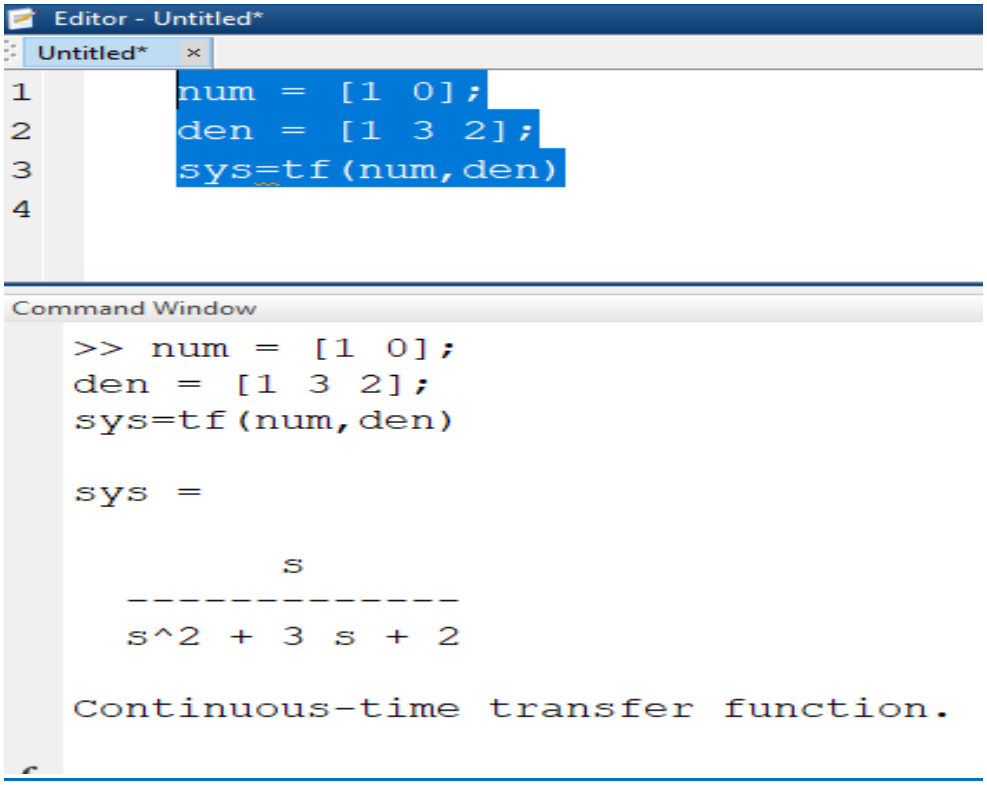
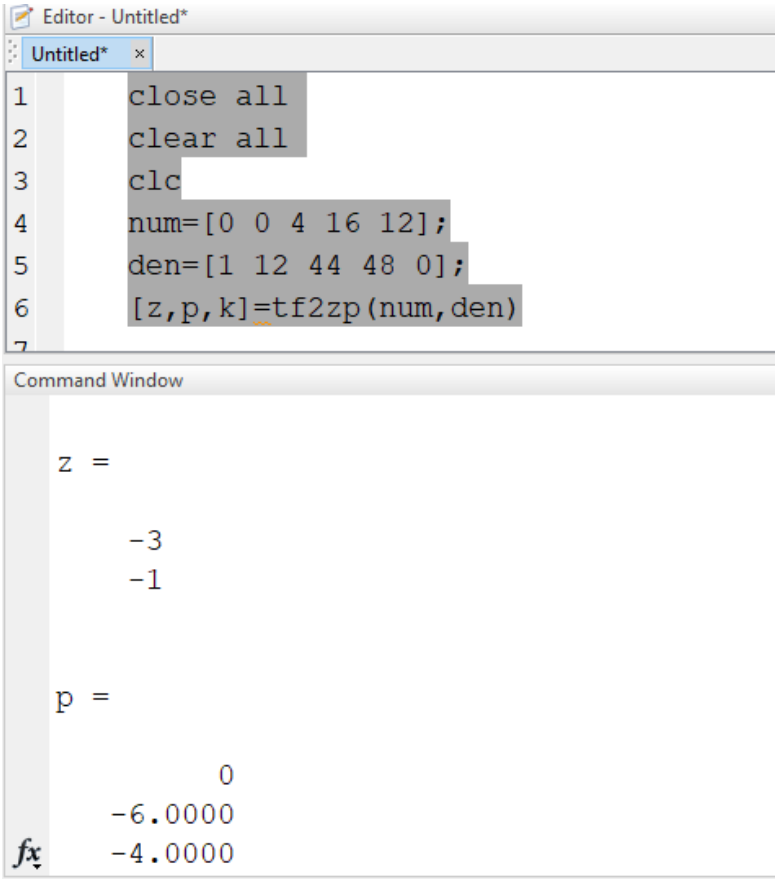
BASIC COMMONDS IN MATLAB

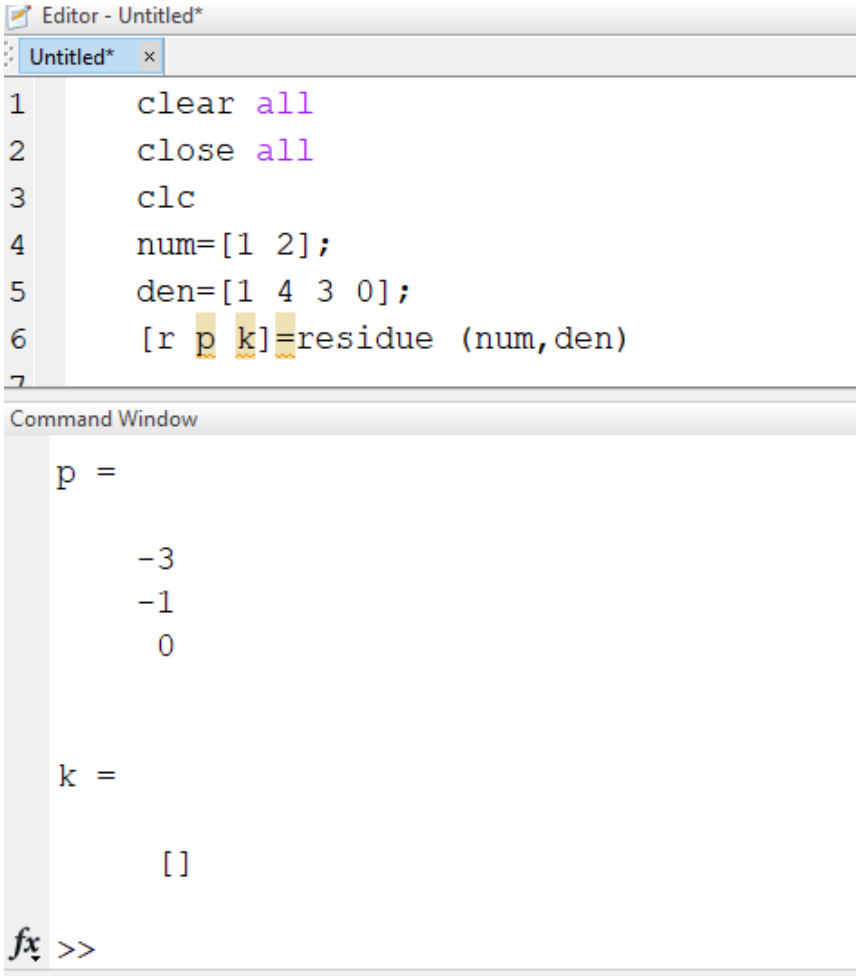
tf : Create tf objects representing continuous-time or discrete-time transfer functions in polynomial form.



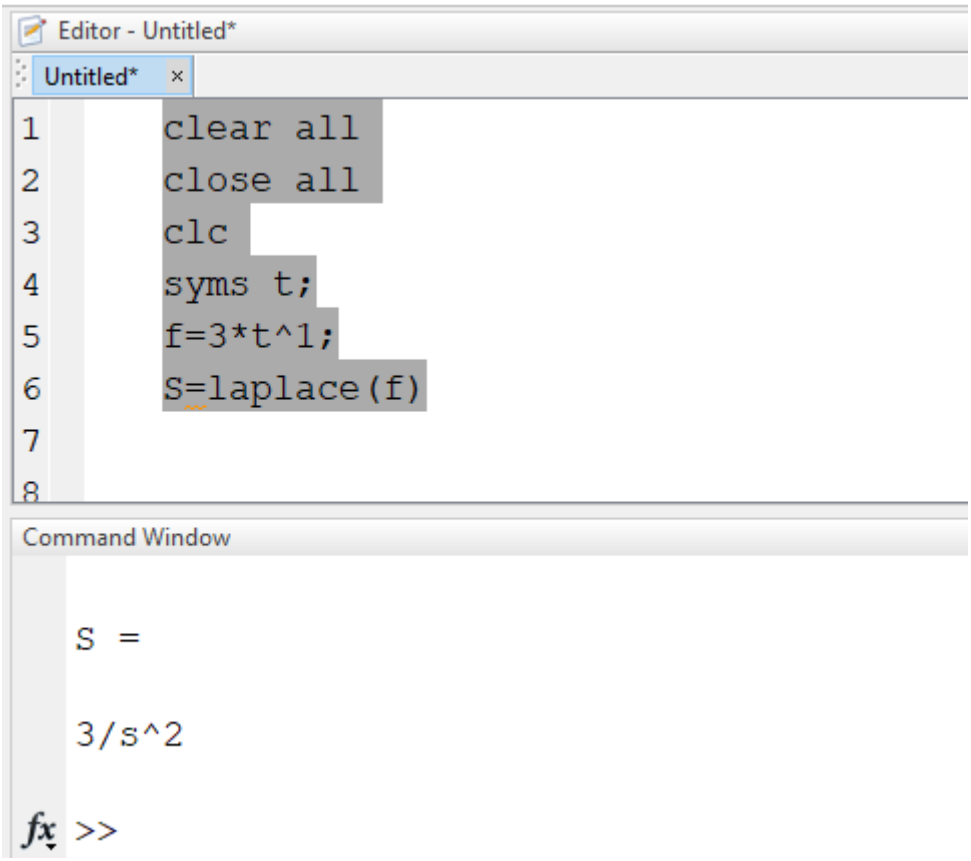
zpk: representing continuous-time or discrete-time transfer functions in zero-pole-gain (factorized) form



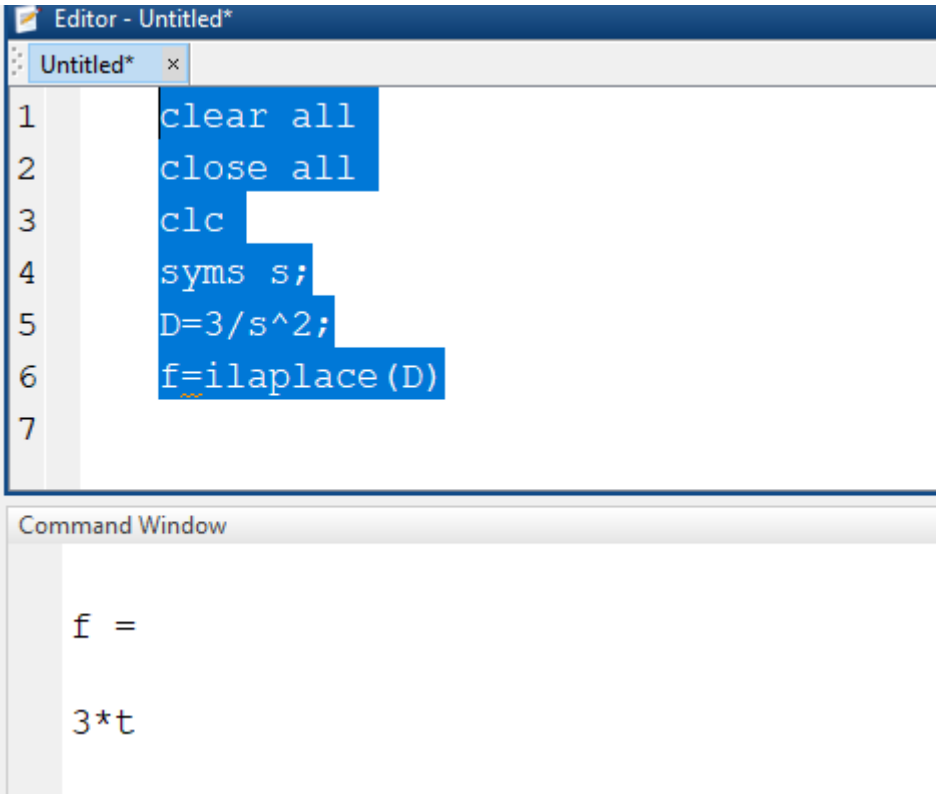
Residue: Convert between partial fraction expansion and polynomial coefficients.



Laplace: returns the Laplace Transform of f. By default, the independent variable is t and the transformation variable is s.



ilaplace : returns the Inverse Laplace Transform of F. By default, the independent variable is s and the transformation variable is t.



sqrt: returns the square root of each element.

Abs: Absolute value and complex magnitude.