

## Zoho Corporation - Programming Test

1. Write a program to multiply two or more algebraic expressions and print the result.

Examples:

**Input:**  $(2x+y)(3x-5y)$

**Output:**  $6x^2-7xy-5y^2$

**Input:**  $(2xy+4x^2y)(2x^2y+6xy)$

**Output:**  $28x^3y^2+8x^4y^2+12x^2y^2$

**Input:**  $(2x^2y+3xy^2z-xz^3)(5xyz+3y^2z-2z)$

**Output:**  $10x^3y^2z+6x^2y^3z-4x^2yz+15x^2y^3z^2+9xy^4z^2-6xy^2z^2-5x^2yz^4-3xy^2z^4+2xz^4$