**Lab 12**

Raising x to the y power has the following recursive definition:

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Description automatically generated

Write a program that implements a recursive function named Power. Your program prompts the user to enter the base (x) and the exponent (y) values, and displays the result of x raise to the power of y.

Here are a few example runs of the program:

Example Program Run 1:

Please enter the base and exponent values y: 2 3

2 raises to the power of 3 equals to 8.

Example Program Run 2:

Please enter the base and exponent values: -2 -3

-2 raises to the power of -3 equals to -0.125

Example Program Run 3:

Please enter the base and exponent values: 200 1

200 raises to the power of 1 equals to 200

Example Program Run 4:

Please enter the base and exponent values: 1.5 3

1.5 raises to the power of 3 equals to 3.375