

**Write a program that performs the following tasks:**

1. Input a real numbers  $x$ .
2. Calculate  $f(x) = \frac{x^2 + e^x}{1 + x^2}$  and output  $f(x)$

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Enter x: 1.5
Output: 2.071289
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Enter x: 0
Output: 1.000000
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```