

Python Programming @ The department of Computer Science



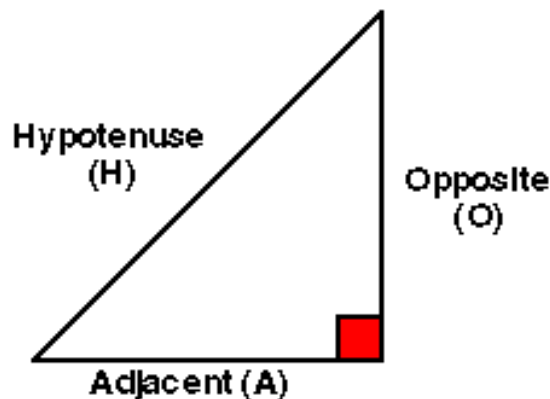
Pythagoras

Requirements

Write a Python programme which, given the length of the "opposite" (O) and "adjacent" (A) sides of a right angled triangle (see Figure) determine the "hypotenuse" (H) using Pythagoras theorem:

$$H^2 = O^2 + A^2.$$

Assume sides are to be input as floating point numbers.



Note

Pythagoras of Samos lived from about 569 to about 475 BC. He was a Greek Philosopher who is credited with work on mathematics, astronomy and the theory of music. He is best known for formalising the theorem that carries his name although the principal was known 1000 years earlier by the Babylonians and Ancient Egyptians.

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