Python Programming @ The department of Computer Science

UNIVERSITY OF LIVERPOOL

Circle Calculation

Requirements

To produce a Python program that calculates and outputs the circumference and area of a circle given its radius. Assume that the radius is input by the user as a double. Area of a circle = PI x diameter = 2 x PI x radius, and Circumference = PI x radius^2 (see Figure). (Use the constant `pi` from the python `math` module.)

Circumference = $\pi d = 2\pi r$
Area = πr^2
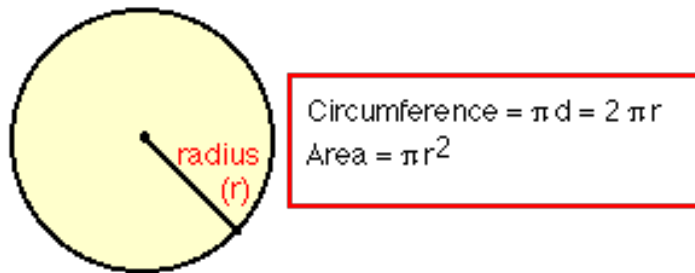
Testing

Test Case	Expected Result	
Radius	Circumference	Area
10.0	62.831853	314.159
0.0	0.000000	0.000000
-10.0	-62.831853	314.159

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