

Real Programming

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Prolific ID

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Write a Python program to print:

**Hello, Python World!**

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Write a Python program that takes *three floating-point* numbers as input and prints the *average* of those three numbers as output.

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Write a Python program to store the value "**Python is fun**" in a variable named *message* and print the result of the *message*.

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Write a Python program that calculates the *sum* and *product* of two numbers, 12 and 4. Then, print both the *sum* and *product* of 12 and 4.

Write a Python program that takes a *string* as input for the name of the user (like *Alice*) and then prints a greeting message:

**Hello Alice!**

Write a Python program that takes *two integer* numbers as input from the user and prints the *sum* of those numbers.

Write a Python program that takes a *floating-point* number as input for the variable *radius* and calculates the *area* of a circle given its radius. Finally, print the *area* of the circle. (use  $\pi = 3.1416$  and the formula  $area = \pi * radius * radius$ ).

Write a Python program that takes an *integer* number as input from the user and prints the *square* of that number. (use the formula  $square = number * number$ )

Write a Python program that takes *distance in miles* as a *floating-point* input and then converts the *distance* to *kilometers* and prints the result of the *distance* in *kilometers*. (Use the formula:  $kilometers = miles * 1.60934$ )

Write a Python program that takes *two floating-point* numbers for the *base* and *height* of a *triangle* as input and calculates and prints its *area* using the formula:  
 $area = (base * height) / 2$

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