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Functions

No.	Title	Description	Completed	Play
1	Add Two Numbers	Define a function calls addNumber(x, y) that takes in two number and returns the sum of the two numbers.	✔	▶ (/quiz/view_question/s2-q1)
2	Subtract Numbers	Define a function calls subtractNumber(x, y) that takes in two numbers and returns the difference of the two numbers.	✔	▶ (/quiz/view_question/s2-q2)
3	Bigger Number	Write a function getBiggerNumber(x, y) that takes in two numbers as arguments and returns the bigger number.	✔	▶ (/quiz/view_question/s2-q3)
4	Using Math Functions	Python provides many built-in modules with many useful functions. One such module is the math module. The math module provides many useful functions such as sqrt(x), pow(x, y), ceil(x), floor(x) etc. You will need to do a "import math" before you are allowed to use the functions within the math module.	✔	▶ (/quiz/view_question/s2-q4)

No.	Title	Description	Completed	Play
5	Celsius to Fahrenheit Conversion	Write a function to convert temperature from Celsius to Fahrenheit scale. **^{o}C to ^{o}F Conversion:** Multipy by 9, then divide by 5, then add 32.	✔	▶ (/quiz/view_question/s2-q5)
6	Body Mass Index (BMI) Calculator	Write a function to compute the BMI of a person. BMI = weight(kg) / (height(m)*height(m))	✔	▶ (/quiz/view_question/s2-q6)
7	Percentage Calculation	Write a function percent(value, total) that takes in two numbers as arguments, and returns the percentage value as an integer.	✔	▶ (/quiz/view_question/s2-q7)
8	Pythagoras' Theorem	The Pythagoras' Theorem for a right-angle triangle can be written as $a^2+b^2 = c^2$, where a and b are sides of the right angle and c is the hypotenuse. Write a function to compute the hypotenuse given sides a and b of the triangle.	✔	▶ (/quiz/view_question/s2-q8)
9	Sum of Last Digits	Write a function getSumOfLastDigits() that takes in a list of positive numbers and returns the sum of all the last digits in the list.	✔	▶ (/quiz/view_question/s2-q9)
10	Introduce Yourself	Write a function that uses a default value.	✔	▶ (/quiz/view_question/s2-q10)
11	Equilateral Triangle	Write a function isEquilateral(x, y, z) that accepts the 3 sides of a triangle as arguments. The program should return True if it is an equilateral triangle.	✔	▶ (/quiz/view_question/s2-q11)
12	Quadratic Equation	For a quadratic equation in the form of ax^2+bx+c, the discriminant, D is b^2-4ac. Write a function to compute the discriminant, D.	✔	▶ (/quiz/view_question/s2-q12)
13	Add First and Last	Define a function calls addFirstAndLast(x) that takes in a list of numbers and returns the sum of the first and last numbers.	✔	▶ (/quiz/view_question/s2-q13)
14	The 'lambda' operator	*lambda* can be considered to be an anonymous and/or inline function. It takes the form of "*lambda args : expression*."	✔	▶ (/quiz/view_question/s2-q14)
15	Docstring	The first string statement after a function definition is the docstring. It can be accessed by the __doc__ keyword.	✔	▶ (/quiz/view_question/s2-q15)

No.	Title	Description	Completed	Play
16	Passing Function	In Python, it is possible to pass a function as a argument to another function. Write a function useFunction(func, num) that takes in a function and a number as arguments. The useFunction should produce the output shown in the examples given below.	✔	▶ (/quiz/view_question/s2-q16)
17	Calculate Distance	Write a function calDistance(x1, y1, x2, y2) to calculate the distance between two points represented by Point 1 (x1, y1) and Point 2 (x2, y2). The formula for calculating distance is given below: $$distance = \sqrt{(x2\text{-}x1)^2 + (y2\text{-}y1)^2}$$	✔	▶ (/quiz/view_question/s2-q17)

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