edX

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Exercise: eval quadratic

Finger Exercises due Aug 5, 2020 20:30 -03   *Completo*

Exercise: eval quadratic

5.0/5.0 points (graded)
ESTIMATED TIME TO COMPLETE: 5 minutes

Write a Python function, `evalQuadratic(a, b, c, x)`, that returns the value of the quadratic $a \cdot x^2 + b \cdot x + c$.

This function takes in four numbers and returns a single number.

```
1 def evalQuadratic(a, b, c, x):
2     '''
3     a, b, c: numerical values for the coefficients of a quadratic equation
4     x: numerical value at which to evaluate the quadratic.
5     '''
6     # Your code here
7     return (a * x**2) + (b * x) + c
8
```

Press ESC then TAB or click outside of the code editor to exit

Correta

```
def evalQuadratic(a, b, c, x):
    '''
    a, b, c: numerical values for the coefficients of a quadratic equation
    x: numerical value at which to evaluate the quadratic.
    '''
    return a*x*x + b*x + c
```

Test results

Hide output

CORRECT

Test: evalQuadratic(9.74, 8.81, 6.92, 6.92)

Output:

534.2987

Test: evalQuadratic(0.22, -5.53, -2.35, -6.1)

Output:

39.5692

Test: evalQuadratic(3.84, 2.15, -8.72, 9.93)

Output:

391.2723

Test: evalQuadratic(8.47, -1.65, 7.37, 4.19)

Output:

149.1567

Test: evalQuadratic(-6.86, 8.04, -1.77, -0.08)

Output:

-2.4571

Hide output

Enviar

ℹ️ Answers are displayed within the problem

# Exercise: eval quadratic

Ocultar discussão

Topic: Lecture 4 / Exercise: eval quadratic

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💬 **The grader is taking forever. What should I do?**
The grader is taking forever. What should I do?
5

❓ **For the formula given ax^2 + bx + c, shouldn't ax^2 be resolved as ((a * x) ** 2)??**
For the formula given ax^2 + bx + c, shouldn't ax^2 be resolved as ((a * x) ** 2)??
5

❓ **It should return two values or not?, because a quadratic ecuation it always for two values...**
I don't know if I'm doing it the right way, but the solution of a quadratic is (-b+(b^2-4ac)^0,5)/2a or yo...
3

💬 **Rounding error**
The first time I submitted my answer I got 4/5 due to a rounding error. I resubmitted with no change...
4 new

💬 **A sense of releif**
Initially, the course was hard (and was getting harder day by day), but after first week, i am feeling th...
2

☑️ **Addition Error**
Can someone explain to me why my return line isn't accepted? This one says that 'int' is not callable: ...
4

💬 **Standard for naming functions**
What is the convention format for naming functions? Should it be in camel case like java or other pro...
2

❓ **can you please fix the Grader**
my grader doesn't work properly, as it is processing for long time even when I re-submitted it.
1 new   3

✏️

💬 [Grade](#)

     I tried and i got a grade

                                                                3

💬 [Don't overthink this one! Pay close attention to what is given and what must be returned.](#)

     I started writing code to solve for roots of x and then re-read the problem.

                                                                2

☑ [issue with submitting to graders](#)

     is anyone else having trouble when they submit answers to the graders? every time i submit a code …

                                                        3 new