Finger Exercises Lecture 7

The questions below are due on Monday October 03, 2022; 03:00:00 PM.

1) Question 1 of 2

Implement the function that meets the specification below.:

```
def eval_quadratic(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.
    Returns the value of the quadratic a×x² + b×x + c.
    """
    # Your code here

# Examples:
print(eval_quadratic(1, 1, 1, 1)) # prints 3
```

```
1   # your function here
```

You have infinitely many submissions remaining.

> Here is the solution we wrote:
>
> ```
> def eval_quadratic(a,b,c,x):
>     return a*x*x + b*x + c
> ```

2) Question 2 of 2

Implement the function that meets the specification below.:

```
def two_quadratics(a1, b1, c1, x1, a2, b2, c2, x2):
    """

    a1, b1, c1: one set of coefficients of a quadratic equation
      a2, b2, c2: another set of coefficients of a quadratic equation
    x1, x2: values at which to evaluate the quadratics
      Evaluates one quadratic with coefficients a1, b1, c1, at x1.
      Evaluates another quadratic with coefficients a2, b2, c2, at x2.
      Prints the sum of the two evaluations. Does not return anything.
    """
    # Your code here

# Examples:
two_quadratics(1, 1, 1, 1, 1, 1, 1, 1) # prints 6
print(two_quadratics(1, 1, 1, 1, 1, 1, 1, 1)) # prints 6 then None
```

```
1  # your function here
```

You have infinitely many submissions remaining.

Here is the solution we wrote:

```
def two_quadratics(a1, b1, c1, x1, a2, b2, c2, x2):
    print(eval_quadratic(a1, b1, c1, x1) + eval_quadratic(a2, b2, c2, x2))
```

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