Practice Quiz: Expressions and Variables

Total points 5

1. In this scenario, two friends are eating dinner at a restaurant. The bill comes in the amount   **1 / 1 point**
   of 47.28 dollars. The friends decide to split the bill evenly between them, after adding 15%
   tip for the service. Calculate the tip, the total amount to pay, and each friend's share, then
   output a message saying "Each person needs to pay: " followed by the resulting number.

```
1   bill = 47.28
2   tip = bill * .15
3   total = bill + tip
4   share = total / 2
5   print("Each person needs to pay: " + str(share))
```

Run

Reset

✓ **Correct**

Great work! You've given the computer correct instructions
at each step, paying attention to every detail, and it paid
off!

2. This code is supposed to take two numbers, divide one by another so that the result is equal   **1 / 1 point**
   to 1, and display the result on the screen. Unfortunately, there is an error in the code. Find
   the error and fix it, so that the output is correct.

```
1   numerator = 1
2   denominator = 1
3   result = numerator / denominator
4   print(result)
```

Run

Reset

✓ **Correct**

You got it!. You caught the error and fixed it! Way to go!

3. Combine the variables to display the sentence "How do you like Python so far?"   **1 / 1 point**

```
1   word1 = "How"
2   word2 = "do"
3   word3 = "you"
4   word4 = "like"
5   word5 = "Python"
6   word6 = "so"
7   word7 = "far?"
8
9   print(word1 +" "+ word2 +" "+ word3 +" "+ word4 +" "+ word5 +" "+ word6 +" "+ word7)
```

Run

Reset

✓ **Correct**

Nice job! You caught the error and fixed it! Way to go!

4. This code is supposed to display "2 + 2 = 4" on the screen, but there is an error. Find the   **1 / 1 point**
error in the code and fix it, so that the output is correct.

```
1    print("2 + 2 = " + str((2 + 2)))
```

Run

Reset

✓ **Correct**

Way to go! You noticed the missing conversion into string,
and fixed it!

5. What do you call a combination of numbers, symbols, or other values that produce a result   **1 / 1 point**
when evaluated?

○ An explicit conversion

◉ An expression

○ A variable

○ An implicit conversion

✓ **Correct**
Right on! An expression is a combination of values, variables, operators, and calls
to functions.