

1. In the below elements which of them are values or an expression? eg:- values can be integer or string and expressions will be mathematical operators.

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'hello'- value

-87.8- value

- = expression

/ =expression

+ = expression

6 - value

2. What is the difference between string and variable?

sol- A string is a value representing text. A variable is a name that can refer to any value.

3. Describe three different data types.

sol-String, list, tuple, dictionary

4. What is an expression made up of? What do all expressions do?

sol- A combination of operands and operators is called expression and it produces some value .

5. This assignment statements, like spam = 10. What is the difference between an expression and a statement?

sol- Statement is not evaluated for some results whereas expression is evaluated.

6. After running the following code, what does the variable bacon contain?

bacon = 22

bacon + 1

after print it will be 23.

7. What should the values of the following two terms be?

'spam' + 'spamspam'

'spam' \* 3

8. Why is eggs a valid variable name while 100 is invalid?

sol- Because variable names cannot start with a number.

9. What three functions can be used to get the integer, floating-point number, or string version of a value?

sol- int(), float(), str()

10. Why does this expression cause an error? How can you fix it?

'I have eaten ' + 99 + ' burritos.'

sol- 99 is an integer and only strings can be concatenated to other strings with +