

Python_Basics_1

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.

*	expression
'Hello'	value
-87.8	value
-	expression
/	expression
+	expression
6	value

2. What is the difference between string and variable?

Ans: String is a value that has text and consists of index value and variable is used to store the different data types.

3. Describe three different data types.

Ans: Float - consist of decimal value.
Int - consist integer value (e.g. 1,2,3)
Boolean - consist bool logics(e.g. OR, AND, NOT)

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

Ans: Expression is a combination of operators and operands. Expression represents the values which are given or assigned by the user.

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

Ans: Expression represents the values which are given or assigned by the user. Statement is a line of code or one line of code that consists of assigned values also.

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

```
bacon = 22
bacon + 1
```

Ans: Bacon contains 23.

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

`'spam' + 'spamspam' = spamspamspam`

`'spam' * 3 = spamspamspam`

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

Ans: 'eggs' is a valid variable because it can be used for assigning the different data types and 100 is an integer value so it can not be used as variable.

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

Integer >> `int()`

Float >> `float()`

String >> `string`

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

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

Ans: I'll convert 99 into a string.