

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.

\*

'hello'

-87.8

-

/

+

6

**Ans:**

**Value :** 'hello', -87.8, 6

**Expression:** \*, -, /, +

2. What is the difference between string and variable?

**Ans: String is a type of data type in which we storage character value like 'hello', 'Cat'**

3. Describe three different data types.

**Ans: Integer, float, string, character**

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

**Ans: An expression is a combination of values, variables, operators, and calls to functions. Expressions need to be evaluated. If you ask Python to print an expression, the interpreter evaluates the expression and displays the result.**

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

**Ans: expression can be evaluated by the various condition with the help of the operator and calling of function to a single value where as a statement doe not.**

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

bacon = 22

bacon + 1

**Ans: bacon = 22**

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

'spam' + 'spamspam'

'spam' \* 3

**Ans: 1. Spamspamspace**

**2. spamspamspace**

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

**Ans: because 100 letter starts with number but whereas egg not.**

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

**Ans: The int(), float(), and str()**

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

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

**Ans: all of the data types is not the same to correct we have to covert 99 into string.**