**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**

A.

\* is a expression

hello is a value

-87.8 is a value

- is a expression

/ is a expression

+ is a expression

6 is a value

**2. What is the difference between string and variable?**

A. string is the the datatype and variable is storage location that holds value.

**3. Describe three different data types.**

A. Integer, String, Float

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

A. An expression is made up of a combination of values, variables, operators, and function calls that evaluates to a single value.

**5. This assignment statements, like spam = 10. What is the difference between an**

**expression and a statement?**

A. Expressions are evaluated to produce a value, whereas statements carry out actions or control the program's flow but do not produce a value directly.

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

bacon = 22

bacon + 1

A. 23

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

'spam' + 'spamspam'

'spam' \* 3

A.spamspamspam and spamspamspam

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

A. eggs is a valid variable name because it starts with a letter. 100 is invalid because it starts with a digit.

**9. What three functions can be used to get the integer, floating-point number, or string**

version of a value?

1. int(): Converts a value to an integer.

2. float(): Converts a value to a floating-point number.

3. str(): Converts a value to a string.

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

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

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