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:**  Thegiven values are -87.8, 'hello',6

The given expressions are \*,-,/,+

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2. What is the difference between string and variable?

**Ans:** A Variable is a store of information, and a String is a type of information it would store in a Variable

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3. Describe three different data types.

**Ans:** Integer, float, Character, Boolean

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

**Ans:** An expression is a made up of variables, and operators, expression will do syntax of the language, that evaluates to a single value.

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

Ans:Expression is made up of values, containers, and mathematical operators and the statement is like a command that a python interpreter executes like print

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

bacon = 22

bacon + 1

**Ans**:22

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

'spam' + 'spamspam'

'spam' \* 3

**Ans:** The value of given 'spam' + 'spamspam' is **'spamspamspam'**

The value of given 'spam' \* 3 is **'spamspamspam'**

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

**Ans:** Because variable names cannot begin with a number

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

**Ans:** Int(), float(), or str()

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

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

**Ans:** It can only concatenate str (not "int")

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