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'--- STRING

-87.8----- INTEGER

- ---- EXPRESSION

/ ------ EXPRESSION

* --- EXPRESSION

6 --- INTEGER

2. What is the difference between string and variable?

ANSWER:

String : String is a collection of characters or single character

Variable : Variable is a container or a box that holds or stores the value

3. Describe three different data types.

ANSWER:

STRING: String is a collection of characters or single character

INTEGER: Integer is a data type which contains integer values.(ex:12,234,45)

FLOAT: Float is data type which contains point values or floating values(ex: 12.3,5.6)

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

ANSWER:

An expression is a combination of variables, operators, and call to functions

Expression needs to be evaluated.

Expression will perform the action based on the given one.

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

ANSWER:

An expression is an instruction to be executed that returns a value.

A statement is used to form the sequence of the program.

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

bacon = 22

bacon + 1

ANSWER:

23

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

'spam' + 'spamspam'

'spam' \* 3

ANSWER:

‘spamspamsapm’

‘spamspamsapm’

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

ANSWER:

A variable name must start with letter or underscore , but not with the number, that is the reason 100 is invalid.

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

ANSWER:

Int()

String()

Float()

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

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

ANSWER:

We cannot concatenate the string with the integer,to overcome this we convert the integer into string by simply writing it in quotes.

'I have eaten ' + ‘99 ‘+ ' burritos.'