**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?

* Variable is a symbol where we can store info
* String is an expression (word) enclosed between “” and we can assign it to a variable.

3. Describe three different data types.

* Numerical data type as: Integer and floating
* Categorical data type as: name or labels
* Boolean data type as: True, False

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

* An expression is made of operands and operators
* All expression produces values or results

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

* An expression produces a value or result.
* A statement creates a variable or display values.

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

bacon = 22

bacon + 1

* A value equal to 23

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

'spam' + 'spamspam'

'spam' \* 3

* Both will give the same result ‘spamspamspam’

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

* Cause, variables cannot star with numbers.

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

* int()
* float()
* str()

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

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

* cause expression cannot do mathematical operations between strings and integers.
* can only concatenate str (not "int") to str