# 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.

\* mathematical operator

'hello' String

-87.8 float

- mathematical operator

/ mathematical operator

* mathematical operator

6 integer

2. What is the difference between string and variable?

Answer : String is a collection of characters where variable is container that holds or stores the values.

3. Describe three different data types.

* int
* string
* float

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

Answer : An expression is made up of different mathematical operators and datasets. Expressions can evaluates and gives the value.

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

Answer : Statement doesn’t holds or evaluates any data where as expressions can evaluates and return the value

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

bacon = 22

bacon + 1

Answer: 22

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

'spam' + 'spamspam' | Answer: ‘spamspamspam’

'spam' \* 3 | Answer : ‘spamspamspam’

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

Answer: variable name should not be started with numbers , so 100 is not a valid variable

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

Answer: integer – int(variable)

Floating -point number – float(variable)

String – str(variable)

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

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

Answer : String concatenation is possible with integers. (or) we cannot add strings with integers.