**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' - string

-87.8 -float

- negative sign

/ - division

+ - add

6 - integer

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

String – represents the text in “”.

Variable – name that can refer to any value

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

Variable, String and float

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

values, variables, and operators

evaluating a n expression gives us a value.

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

Statement does assign or prints a value but doesn’t evaluate whereas expression is a combo of values. Operators and variables to give the result as a value

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

bacon = 22

bacon + 1

**Ans:** bacon =22

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

'spam' + 'spamspam'

'spam' \* 3

**Ans:** 'spamspamspam'

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

**Ans:** Variable name can start with a character or special character like\_ but not with an integer (0-9)

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

**ANS:** int(). Float() and str()

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

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

**Ans: can concatenate only strings not int with strings**

'I have eaten ' + ‘99’ + ' burritos.'