**1. In the below elements which of them are values or an expressions? 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?**

**Answer =** String is type of data which contains alphabets wrapped in “ ”.

Variable is container that stores value in terms of data (int, float, str, bool)

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

**Answer =** Three different data types – integer (int), numbers with decimal (float), str (alphabetical), Boolean (True/False)

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

**Answer =** Expression is a mathematical operation performed in python. It includes variables and operator/s. Example – a + b, where a and b are variables and + is operator

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

**Answer =** Expression is combination of variables and operator that is used to perform some kind of evaluations, example a + b.

A statement does creation of variable or displaying a 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' = 'spamspamspam'

'spam' \* 3 = 'spamspamspam'

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

**Answer =** Python does not allows to save variable name as Number

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

**Answer =** int() , float() , and str()

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

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

**Answer =** 'I have eaten ' + ‘99’ + ' burritos.'