**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'**

**-87.8**

**-**

**/**

**6**

Answer = Values - 'hello', -87.8, 6

Expression = - , +, /, \*

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

Variable can store anything such as int, string, Boolean value etc

Whereas string is mostly used to store only textual data

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

String – this dtype mostly store textual data

Boolean - this dtyle includes Boolean values i.e. True or False

Numeric Dtype – This might include dtype related to numbers such as int32, int64 or float etc

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

Expression can be made up of anything, such as variables, constants, numbers etc

All expression gives resultant value or specific value

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

Expression is a code which gives some specific value after it is being run whereas statement can anything it can be a assignment, it is a code, which we can run

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

**bacon = 22**

**bacon + 1**

22

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

**'spam' + 'spamspam'**

**'spam' \* 3**

Spamspamspam

spamspamspam

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

Variable name cant start with number that’s why eggs can be a valid variable but not 100

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

Integer = int()

Floating point number = float()

String – str()

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

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

99 should be in string format, we can fix this by

‘I have eaten’ + ‘99’ + ‘burritos’