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'- values**

**-87.8 - values**

**- -expression**

**/ -expression**

**- expression**

**6 - values**

2. What is the difference between string and variable?

**A string is a value representing text**

**A variable is a name that can refer to any value**

3. Describe three different data types.

**Numeric**, **Sequence Type** **and Boolean**

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

**Expressions are representations of value. An expression is a construct made up of variables, operators, and method invocations**

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

**Statements represent an action or command e.g print statements, assignment statements**

**Expression is a combination of variables, operations and values that yields a result value**

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

bacon = 22

bacon + 1

**Ans: 23**

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: Because variable names cannot begin with a number**

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

**Ans: The int() , float() , and str( ) functions will evaluate to the integer, floating-point number, and string versions of the value passed to them.**

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

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

**Ans: The expression causes an error because 99 is an integer, and only strings can be concatenated to other strings with the + operator.**