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.

**\* - this is operator**

**'hello' – This is string**

**-87.8 – This is float**

**- - this is operator**

* **- this is operator**

**6 This is integer**

2. What is the difference between string and variable?

**String is data type in which alphabets or words are included it is enclosed in “” or triple brackets and variables are used to used to store values**

3. Describe three different data types.

**1) string**

**2) integer**

**3) float**

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

**An expression is a combination of operators, constants and variables. An expression may consist of one or more operands, and zero or more operators to produce a value.**

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

**Spam – is an statement because it is has value and doing something for example storing value**

**10 – is an expression**

**An expression evaluates to a single value. A statement does not.**

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

bacon = 22

bacon + 1

**23**

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?

**Variables cannot start with a number**

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

**Int()**

**Float()**

**Str()**

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

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

Add 99 as string 'I have eaten ' + ‘99’ + ' burritos.'