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' - Value

-87.8 - Value

- - Expression

/ - Expression

* - Expression

6 - Value

2. What is the difference between string and variable?

**Ans:** *String is a value which consist of characters whereas variable are use to store values like string, integer, float etc.*

3. Describe three different data types.

**Ans:** *Integer, String, Float*

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

**Ans:** *Expression is made up of operators, variables and parenthesis. Expressions are used to evaluate a logic to give a single value*

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

**Ans:** *Expression is used to evaluate combination of values functions to give a new value whereas statement are standalone unit of execution.*

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

bacon = 22

bacon + 1

**Ans:** *bacon contain 22 as value*

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

'spam' + 'spamspam'

'spam' \* 3

**Ans: 1)** *spamspamspam*

**2)** *spamspamspam*

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

**Ans:** *a variable name should start with letter or underscore character and its prohibited to start it with a digit.*

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

**Ans:** *For Integer its int(value), For floating-point number its float(value) and for string its str(value)*

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

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

**Ans:** *String can’t be concatenate with integer value as they are two different datatypes and so if we need to fix it we need convert integer to string before concatenating it*

*So above statement can be written as:*

*'I have eaten' + str(99) + 'burritos.'*