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

**Ans )** Values ---- 'hello', -87.8, 6

Expression ----- \* , - , / , +

2. What is the difference between string and variable?

**Ans )** String ----- String is a data type with collection of characters.

Variable --- Variable is used to assign value and store to memory for reuse.

3. Describe three different data types.

**Ans )** Int,string,float,long,decimal..

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

**Ans )** Expressions made up of operators and operands. They do calculations.

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

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

bacon = 22

bacon + 1

**Ans )** 22

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 )** A variable name should have char in name

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

**Ans )** 1. Int(a)

2. float(a)

3.str(a)

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

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

**Ans )** int cannot be concatenated to a string.