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'— String Value

-87.8 Value

- Expression

/ Expression

* Expresion

6 Value

2. What is the difference between string and variable?

Variable store an information, whereas string is like a value or bit of information.

3. Describe three different data types.

Integer: Store only number variable only

String: Store only text value like alphabetic

Boolean: Store logical variable (True, False, Yes, No)

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

Expression is the combination of operators. With the help of expression, we can evaluate the result

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

Expression is the combination of operators, values and constraints, whereas statement is just like a command to perform some specific tasks.

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?

Variable name can not be begun with number

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

Int() for integer

Float() for floaing-point

Str() for string

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

We cannot concat the strings with numbers. To perform this task we need to convert number into string

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

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