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.

\* *an expression*

'hello' *a value*

-87.8 *a value*

- *an expression*

/ *an expression*

* *an expression*

6 *a value*

2. What is the difference between string and variable?

::String is letter/sentence/word, and Variable is like a container- which holds assigned value in it.

3. Describe three different data types.

::1. Boolean 2. Complex 3. String

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

::Expression is made of mathematical operators ( + - \* /). All expressions help to operate Mathematical requirements.

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

variable Bacon contains an integer value’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?

As 100 is a number, and we cannot assign value to any literal value, so 100 is invalid variable.

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.'

can only concatenate str (not "int") to str

Fix: 'I have eaten ' + str(99) + ' burritos.'

Outcome: 'I have eaten 99 burritos.'