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

Mathematical Operators: + - \* /

Values: ‘hello’, -87.8, 6

2. What is the difference between string and variable?

String: It is one of the data type which stores any data within quotes(single/double).

Variable: It is used to store the value.

3. Describe three different data types.

Int: It is a data type which stores integer value.

Float: It is a data type which stores decimal value.

Boolean: It is a data type which stores Boolean variable (True and False)

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

It is a mathematical operators which do predefined calculations.

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

In spam=10. Expression is = which assigns value 10 to variable spam.

Statement is a complete single line item which contains a variable with value, mathematical operator with or without functions.

In above case spam=10 is a type of statement.

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'

'spam' \* 3

Both have values same which is spamspamspam

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

Because it is a literal which cannot be assigned value.

Note: (Got this as an error while run through in notebook.)

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

Int(value)

Float(value)

Str(value)

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

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

It having string +integer +string. String and integer data type cannot be concatenated.

Introduce “”” before start of line and Introduce “”’ after end of line. Then it will be ok.