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)

-87.8: (Float)

- : (Expression)

/ : (Expression)

* : (Expression)

6 : (Integer)

2. What is the difference between string and variable?

Ans) String: The group of elements or characters which are enclosed in (‘ ‘,””,’’’)quotes.

Variable: The container to store values of different data types.

3. Describe three different data types.

Ans)String,integer,boolean

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

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

Ans)Expression gives the output without using print function, executes itself

Statement gives output with print function.it does what the expression says.

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

bacon = 22

bacon + 1

Ans)bacon=23

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

'spam' + 'spamspam'

o/p=spamspamspam

'spam' \* 3

o/p= spamspamspam

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

Ans) The variable name starts with alphanumeric or with underdcore,100 is invalid because it can cause problems during the execution part whether 100 is an integer or a variable to avoid this,the variable name is not assigned to integer values.

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

Ans)int(),float(),str()

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

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

Ans) The concatenation is possible with only same data types(str+str or int+int),The 99 is integer so we have to convert it into string to concatenation

Below is the correct one:

'I have eaten ' +’ 99 ‘+ ' burritos.'