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 = \*

values = 'hello'

values = -87.8

expression = -

expression = /

expression = +

values = 6

2. What is the difference between string and variable?

String = string is basically a name which is defined in double quotation mark(“ ”) or single quotation mark(‘ ‘)

Variable = Variable is in which string, integer or float value is stored.

Hence, String is the data type which can stored in the variable.

3. Describe three different data types.

1) int

2) float

3) string

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

Expression are made of mathematical operators. Mathematical operators includes +,\*,/

All the operation do some kind of operation.

+ = Addition

\* = Multiplication

/ = Division

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

Statement is the instruction or in the given example spam = 10 is the statement.Expression is the result.

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

bacon = 22

bacon + 1

The variable bacon contains value 23

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

'spam' + 'spamspam'

'spam' \* 3

Output is spamspamspam

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

There is a rule that we cannot start the variable name with number. eggs is valid because it starts with letter and it is not keyword or function.

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

int(value)

str(value)

float(value)

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

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

We cannot add string value with integer.

If we wanted to print the sentence we must write 99 in the string format

‘I have eaten’ + ‘99’ + ‘burritos.’