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' Value

-87.8 Value

- Expression

/ Expression

* Expression

6 Value

2. What is the difference between string and variable?

Variable- We can store the data in the variable.

String-It is the type of data which can be stored in a variable. Represented in double quotes.

a=”jaya” (a is variable and data type of jaya is string)

3. Describe three different data types.

Integer->used to store numbers without decimal point

Decimal->used to store numbers with decimal point

Boolean->used to store boolean values True or False

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

Expression is the combination of values, variables, operations and Assigned to a single value

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

Expression is assign to a single value and statement does not

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

bacon = 22

bacon + 1

Bacon will contain 22

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?

While choosing a variable name, there is some standard rules like variable name can’t start with number so eggs is valid name and 100 is not

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.'

You can concatenate values with the same data type so 99 is in integer while others are in different data type. We can convert 99 into string data type and then we can concatenate

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