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' : Values

-87.8: Values

- : Expression

/ : Expression

* : Expression

6 : Values

2. What is the difference between string and variable?

A **Variable** is a store of information, and a **String** is a type of information

3. Describe three different data types.

Int: integer data types

String: arrays of bytes representing Unicode characters

**Tuple** is also an ordered collection of Python objects

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

An expression is a construct made up of variables, operators, and method invocations, which are constructed according to the syntax of the language, that evaluates to a single value

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

An expression evaluates to a value. A statement does something. Statements represent an action or command e.g print statements, assignment statements. Expression is a combination of variables, operations and values that yields a result value

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' : 'spamspamspam'

'spam' \* 3 : 'spamspamspam'

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

: Because it violates the convention for naming in python

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

Int(a)

Float()

Str()

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

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

Because 99 is string type

We can do 'I have eaten ' + str(99) + ' burritos.'