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?

String is a type of information

Variable is a store of information

3. Describe three different data types.

Integers

Float

Complex numbers

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

Expressions are made of mathematical operations

All expressions will evaluates the value

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

Expression always evaluates to the value and statement does creating a variable or displaying a value

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

bacon = 22

bacon + 1

answer 23

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

'spam' + 'spamspam'

'spam' \* 3

Both output will be spamspamspam

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

Variable names cannot begin with number

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.'

We cannot concatenate integers with string

Solution is that instead writing 99 in integer write 99 as string that is as “99”

So output will be I have eaten 99 burritos