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.

\* = mathematical operator

'hello' = string

-87.8 = Integer

- = mathematical operator

/ = mathematical operator

+ = mathematical operator

6 = Integer

2. What is the difference between string and variable?

Variable is used to store a value and string is defined as an array of characters

3. Describe three different data types.

Integer, Boolean, tuple

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

Expression is a combination of operands and operators. It produces some value after the interpretation

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

Statement is instruction to python interpreter

If we can print the result then it is expression

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 variable names cannot begin with a 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.'

‘99’