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.

\*

'hello' - Value

-87.8 - Value

- Expression

/ Expression

* Expression

6 - Value

2. What is the difference between string and variable?

Strings are data types, and variables are used to store data type like string

3. Describe three different data types.

String, Int, Float

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

Expression is combination of operators, expressions are used to produce result using operators

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

Expression is combination of operators to produce some result, statement on the other hand is used to produce or not produce output

Every expression cant be a statement

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

bacon = 22

bacon + 1

It contains 22

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

'spam' + 'spamspam'

'spam' \* 3

spamspamspam

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

Variable name can’t start with integer

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.'

Because 99 is integer, we need to typecast it first

‘I have eaten’ +str(99) + ‘burritos’