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'

-87.8

-

/

6

Ans) values- ‘hello’ , -87.8, 6

Expressins- \*, - , / , +

2. What is the difference between string and variable?

Ans) String is a variable that stores a character or multiple characters. A variable stores any type of data.

3. Describe three different data types.

Ans) Integer, String, Boolean, complex number.

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

Ans) Expression made up of variables, operators and values. Expressions result some value.

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

Ans) Expression contains combination of operators, variables and values which gives results.

Statement like print, assignment will represent an action.

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

bacon = 22

bacon + 1

Ans) Bacon contains 22 only.

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

'spam' + 'spamspam'

'spam' \* 3

Ans) ‘spamspamspam’ and ‘spamspamspam’

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

Ans) A variable can contain letters and numbers but the variable can’t start with number.

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

Ans) sum(), mean(), strip()

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

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

Ans) The expression causes type error. Because the string is added with integer. To fix the error convert integer to string.