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.

\*

Ans:- expression

'hello'

Ans:- string

-87.8

Ans:- float

-

Ans:- expression

/

Ans:- expression

Ans:- expression

6

Ans:- integer

2. What is the difference between string and variable?

Ans:- Variable is the name of space where the value/string is stored and string is the value representing text.

3. Describe three different data types.

Ans:- str , bool, int, float, tuple, range.

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

Ans:- expression are made up of variables and operators.

Expressions are used to show result of program.

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

Ans:- spam will store the value 10 in memory

Expression is combination of values, variables and operators And Statement is the instruction python interpreter can execute

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

bacon = 22

bacon + 1

Ans:- 22

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

'spam' + 'spamspam'

'spam' \* 3

Ans:- ‘spamspamspam’

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

Ans:- variable name always start with letter a-z or underscore

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

Ans:- int(), float(),str()

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

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

Ans:- we can only concatenate string with string

Write 99 in apostrophe so it will behaves like string

'I have eaten ' + ‘99’ + ' burritos.'