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' - string

-87.8 - float

- -expression

/ - expression

* - expression

6 - integer

2. What is the difference between string and variable?

Ans. Variable is word use to assign to data types as alias. String is inbuilt data type.

3. Describe three different data types.

Ans. String, Integer and Float.

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

Ans. Expression made up signs (+,-,/,\*), they do math operations.

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

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

bacon = 22

bacon + 1

Ans. Bacon = 23

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

'spam' + 'spamspam'

'spam' \* 3

Ans. 1. 'spamspamspam' 2. 'spamspamspam'

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

Ans. As per python rules variable can not start with an integer.

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

Ans. Type()

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

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

Ans. String cannot do math operation with Integer. So we have to convert 99 to string (‘99’)