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' value - string

-87.8 value

- Expression

/ Expression

* Expression

6 value

2. What is the difference between string and variable?

Variable is store information different types of data type, whereas string is data type store in variable eg a= ‘my name is ramki’ a is variable, = ‘my name is ramki’ is string

3. Describe three different data types.

Int, float and string

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

a) Expression is a combination of values, operator,string , variable, fuctions. Expressions need to evaluated

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

a) A statement is an instruction that the Python interpreter can execute but doesnot evaluate and print results

Expression is a combination of values, operator,string , variable, fuctions. Expressions need to evaluated to a single value

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

bacon = 22

bacon + 1

1. Wrong expression, it should be bacon +=1

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

'spam' + 'spamspam'

'spam' \* 3

a) ‘spamspamspam’

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

a) Variable name doesnot start with integers

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

a) floating

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

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

1. unsupported operand type(s) for +: 'int' and 'str'
2. 'I have eaten ' + ‘99’ + ' burritos.'