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.

\* = mathematical operator

'hello' = string

-87.8 = float

- = mathematical operator

/ = mathematical operator

* = mathematical operator

6 = integer

2. What is the difference between string and variable?

String = String contains more than one character or array of characters called string.

Variable = variable is used to store a value

3. Describe three different data types.

Int,float,double,character,string

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

Expression consist of values,variable and methamatical operators.expression generate the result .

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

A statements is an instruction that python can directy execute where expression is consist of value,variable,operators that valuate the expression and generate the result.

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

bacon = 22

bacon + 1

ans is 22

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

'spam' + 'spamspam' = 'spamspamspam'

'spam' \* 3 = ‘spamspamspam’

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

Variables can’t begin with numbers 100 is a int value so it is invalid.

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

Int(),str(),float()

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

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

Because we can concate with the same data type not with the diff.data type.

Solution = 'I have eaten ' + ‘99’ + ' burritos.'