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: ‘hello’,-87.8,6 are values. \* + / - are expressions

2. What is the difference between string and variable?

Ans: A string is a datatype whereas a variable is something we use to store data

3. Describe three different data types.

Ans: string, collections,Boolean,integers

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

Ans: An expression is made up of variables, values and function calls. Expressions help in finding the vales or types or return vales of a function.

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

Ans: An expression is an evaluation procedure where as a statement is telling the interpreter to perform certain tasks or checks ex. If, import

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

bacon = 22

bacon + 1

Ans: 23

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 names cant be of any datatypes.

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

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

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

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

Ans: This causes a Type error where you cant concatenate a string with an integer. We can fix it by converting it to string.

'I have eaten ' + str(99) + ' burritos.'