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

-87.8 = value

- = expression

/ = expression

* = expression

6 = value

2. What is the difference between string and variable?

Answer:Everything start and end with “ “ will be known as string , while variable we assign a value to it . it can be anything int. float. Or string.

3. Describe three different data types.

Integers,strings,float

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

Answer: Expression is value and operators combination. Expressions will evaluate to a single value.

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

Answer:This spam is a variable means it is statement and we assign 10 to it.

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

bacon = 22

bacon + 1

answer : 23

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

'spam' + 'spamspam'

'spam' \* 3

Answer : ‘spamspamspam’

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

Answer: Variable name cannot start with number.

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

Answer: int(),float(),str()

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

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

Answer: 99 is an integer and only strings can concatenated to other strings with operator. We need to change it to str() first.

‘I have eaten’ +str(99) + ‘burritos’