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 : values: expressions

1. ‘hello’ 1) \*
2. -87.8 2)-
3. 6 3)/ 4) +

2. What is the difference between string and variable?

String comes in “ “, ‘ ‘, and strings are series of characters eg “name”

Variable is a container for values

name = “bro”

name is the variable and bro is the value for variable

3. Describe three different data types.

Numbers, Boolean, dictionary,

Numeric data type has numbers as data types

Boolean stores true or false data values

Dictionary stores unordered data values

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

An instruction that combines values and operators and evaluates down to single value

Eg 2+2

4, 2 int and + operators created a expression of 4

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

Expression is a combination of values and functions to create a new value, statement doesn’t return anything.

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

Spam spamspam

Spam spam spam

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

Variable name should start with alpha or underscore,

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

Int()

Float()

Str()

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

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

When string and int concardinate it causes error

Type casting int to string

‘I have eaten’+ str(99)+ ’burritos’