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

Answer \*= mathematical operator

‘hello’ =value

-87.8 = value

- = mathematical operator

/ = mathematical operator

+ = mathematical operator

6 = value

2. What is the difference between string and variable?

Answer. Variable stores the information whereas

String is a type of information stored in variable

3. Describe three different data types.

Answer. Three different data types are

1.integer

2. Float

3. Double

4. Boolean

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

Answer. Expression made up of operators and operands

Expressions produces some result interpreted by intrepretur

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

Answer. Statement means creation of variables and assigning values to the variables

Expressions produces some result interpreted by interpreter

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

bacon = 22

bacon + 1

Answer. bacon contain variable = 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 cannot begin with number so 100 is invalid variable

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 . the expression cause an error because 99 is an integer and strings only be concatenated to other strings with + operator

I will fix it in this way ‘ have eaten ‘+str(99)+’burritos.’