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-

The values are-’hello’,-87.8,6

The expressions are - \*,- ,\ ,+

2. What is the difference between string and variable?

Ans - A String is a type of information you would store in a variables.

A Variables that stores the information in the form of values.

3. Describe three different data types?

Ans-**Data types** are the classification or categorization of **data** items.

Three different data types is:

|  |  |
| --- | --- |
| **Text Type:** | **str** |
| Numeric **Types**: | int , float , complex |
| Sequence **Types**: | list , tuple , range |

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

Ans-Expression are a combination of value and operators and always evaluate down to a single value.

5.This assignment statements like spam =10.What is the difference between in expression and statements?

Ans- An expression evaluate to a single value but a statement does not.

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

bacon = 22

bacon + 1

Ans-The bacon variables is set of 22.

The bacon +1 expression does not reassign the value in bacon.

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 Because variables names cannot begin with a number.

9. What three functions can be used to get the integer, floating-point number, or string

version of a value?

Ans The int( ), float( ),and str( ) functions.

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

‘I have eaten’ + 99+ ‘burrito’.

Ans- The expression causes an error because 99 is an integer,and only strings can be concatenated to the other stringswith the+operator.The correct way is I have eaten’+str(99)+’burritos’.