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 - 'hello', 6, -87.8

Expression - \*, -, /, +

2. What is the difference between string and variable?

String - is a datatype used to assign characters value.

Ex: “Apple”

Variable - is used to assign a value of the variable..

Ex: x = 10

3. Describe three different data types.

Int – to define only integer values Ex: 1,-1,10

String – to define only characters

Float – to define decimal values Ex: 10.5, 6.55

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

Expression made up of arithmetic operators.

Ex: +, -, \*, /

2+3 = 5

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

A**statement** performs some action such as printing**values,** looping, or if**statement**

**An Expression produce some value**

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

bacon = 22

bacon + 1

23

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

'spam' + 'spamspam' = 'spamspamspam'

'spam' \* 3 = 'spamspamspam'

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

Variable name starts with alphabet

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.'

It cause an error due to 99 is an integer value.

'I have eaten ' + ‘99’ + ' burritos.'

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