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'

Ans.: Values: ‘hello’, -87.8, 6

Expressions: \*, -, /, +

-87.8

-

/

6

2. What is the difference between string and variable?

A. string is a collection of character datatype and variable is a datatype used to store any value

3. Describe three different data types.

A. int is a data type used to store integer type values e.g.: 2, 3

Float is a data type used to store decimal type values e.g.: 2.5, 4.7

Char is a data type used to store character type values e.g.: ‘a’, ‘d’

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

A. an expression is made up of mathematical operators, numbers, conditionals etc.

Expressions gives a new value as a result or a conditional giving TRUE or FALSE

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

A. expression gives some result whereas statement not gives result

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

bacon = 22

bacon + 1

A. As there is no assignment done in second line bacon contains 22

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

'spam' + 'spamspam'

'spam' \* 3

A. 'spamspamspam'

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

A. 100 is already a number having some value but compiler takes eggs as a collection of some characters

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

A. int(), float(), str()

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

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

A. concatenation possible only for string data type