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.

\* Expressions(Operator)

'hello' Value(String)

-87.8 Value(Float)

- Expressions(Operator)

/ Expressions(Operator)

* Expressions(Operator)

6 Value(int)

2. What is the difference between string and variable?

String is Primitive Data type. Which can have collection of characters.

Variable are like containers which store value or reference to an object.

3. Describe three different data types.

Three Data Type-

Integer

String

Float

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

Expression is a combination of operators and operands. All expressions get evaluated to give result.

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

Statements is declared whereas expression is evaluated

Like – name = “Ravi” // Statement

Age = CurrentDate()-DOB() // expression

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

bacon = 22

bacon + 1

Ans - 22

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

'spam' + 'spamspam'

'spam' \* 3

‘spamspamspam’

‘spamspamspam’

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

Variable can’t start with number.

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

// Type Casting

A = 3

String – str(A)

Integer – int(A)

Float - float(A)

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

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

We cannot concatenate string and int.

'I have eaten ' + ‘99’ + ' burritos.'