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.

Ans: \* expression

'hello':values

-87.8:values

- expression

/ :expression

* :expression

6 :values

2. What is the difference between string and variable?

Ans: String-a sequence of characters

Variable- memory allocation for a character

3. Describe three different data types.

Ans: 1.String is a sequence of characters

2. Numbers:This data type supports only numerical values like 1 , 31.4 ,4+7j

Integer,Float and complex

3.List is another datatype which are used to store multiple items in a single variable

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

An expression is a combination of values, variables, operators, and calls to functions. Expressions need to be evaluated. If you ask Python to print an expression, the interpreter evaluates the expression and displays the result

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

Ans: Expressions need to be evaluated.

Statement represents action/command.

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

bacon = 22

bacon + 1

Ans:bacon=22+1=23

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

Ans: 'spam' + 'spamspam' spamspamspam

'spam' \* 3 spamspamspam

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

Ans: Variable can start with only alphabets,Underscore but not with digits.

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 will evaluate to the integer, floating-point number, and string versions of the value passed to them.

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

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

Ans: Syntax Error-can only concatenate str (not

"int") to str

How can you fix it

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