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.

\* :-Expression

'hello':-value

-87.8:- Value

- :- Expression

/ :- Expression

* :-Expression

6 :-Value

2. What is the difference between string and variable?

Ans:-Variable is like a symbol which we declare and store the data into it, but string is a data which we store in variable.

3. Describe three different data types.

Ans:- Char :- It is data type which hold characters.

Integer :- It is data types which hold integer values.

Float :- It is data type which hold decimal numbers.

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

Ans :- Expression is an combination of Values and operations by which we get the result.

Eg:- 5+19 = 24 ,In expression we do operation on value that you are seeing in the example , Two values 5 and 19 are using operation + for getting result 24.

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

Ans:- An expression gives us The result of operation and value. Statement gives the way to do something.

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

bacon = 22

bacon + 1

Ans :- The result will be 22 because we didn’t store it any variable.

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

'spam' + 'spamspam'

'spam' \* 3

Ans:- 1 spamspamspam

2 spamspamspam

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

Ans :- We can’t use digits in Variable name.

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

Ans :- int() :- Integer

Float() :- Decimal value

Str() :- String

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

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

Ans :- We can concatenate string with string but not string with integer so either we can make it a string or use its Alphabetical form.