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.= In the above statement -, /, + are Expressions & ‘hello’ , -87.8 , 6 are values.

2. What is the difference between string and variable?

Ans.= Variable = A variable is basically the name of the location in the primary memory of your computer. This can be chosen by you. A variable can store everything from strings to numbers.

String = A string is the values inside the quotes assigned to a string.

3. Describe three different data types.

Ans.= Mainly threre is 5 major data types as decribes below .

1. Numeric = It include Integer, Complex number & Float type data types.
2. Dictionary = It is a data type which have key value pair as data. Its value is inside curly braces.
3. Boolean= The Booleans is  that has one of two possible values . Like TRUE, FALSE.
4. SET= It is data type who stored a unique values .
5. Sequence Data Type= It include String (values inside the quotes assigned to a string.), List(values inside the big bracket separated by coma ’,’.), Tuples(Value like in list but inside small beaces() ) type data types.

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

Ans. = An expression is a combination of operators and operands that is interpreted to produce some other value.

The expression is evaluated as per the precedence of its operators. So that if there is more than one operator in an expression, their precedence decides which operation will be performed first.

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

Ans. = Statement represent an action. Action takes according to expression .

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

bacon = 22

bacon + 1

Ans=23

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

'spam' + 'spamspam'

'spam' \* 3

Ans. = 'spamspamspam'

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

Ans.= Integer can never assign as a Variable name .

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

Ans.

1. INT
2. FLOAT
3. STR

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

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