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

**ANSWER :** Values : -87.8 ,6 Expression : hello

2. What is the difference between string and variable?

ANSWER : String is a datatype while Variable is a place holder which kept the data during data processing.

3. Describe three different data types.

ANSWER : String , Integer , Boolean , Float

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

ANSWER : Expression are representation of value. Any string data type is kind of expression.

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

Answer : Statement present as action while expression is combination of variable, Operations and values.

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

bacon = 22

bacon + 1

ANSWER : 23

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

'spam' + 'spamspam'

'spam' \* 3

ANSWER : ‘spamspamspam’ and ‘spamspamspam’

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

ANSWER : Any string or alphanumeric value can be defined as variables

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

ANSWER : int() , str(), float()

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

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

ANSWER : Can’t add string with integer value . To Fix the issue convert int to string as mention below :

‘I have eaten’+str(99)+’burritors’