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 Mathematical operator

'hello' – Value(string type)

-87.8 – Value(Float type

- = Expression Mathematical operator

/ = Expression Mathematical operator

* = Expression Mathematical operator

6 = Value(Integer type)

2. What is the difference between string and variable?

Ans. A Variable is a store of information, and a String is a type of information you would store in a Variable. A String is usually words, enclosed with "". A string is a value representing text. A variable is a name that can refer to any value

3. Describe three different data types.

Ans. Three different data types are

1. Integer(int)- Used to represent integer values eg. 1,34,6 etc
2. Float(float)- Used to represent floating point no’s. eg 3.5,3.14 etc.
3. String(str) – Used to represent string of characters eg”Harry”,”abc” etc.

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

Ans. An expression is made up of a combination of operands and operators which yields an output for eg. 10 + 15 = 35 where 10 and 15 are operands, + is the operators which is used to do addition and 35 is the output of addition of 10 and 15.

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

Ans. A statement in Python is used for creating variables or for displaying values. An expression is made up of a combination of operands and operators which yields an output r. A statement in Python is not evaluated for some results. An expression in Python is evaluated for some results.

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

Ans. spamspamspam

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

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

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

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