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- values are ‘hello’,-87.8.

Expression are +,/,-.

2. What is the difference between string and variable?

Ans- string- string in python are sequence of character data. They created by enclosing characters in quotes.

Variable- a variable is named location used to store data in memory. It is declared by writing the variable name and assigning it a value using the equal sign(=).

3. Describe three different data types.

Ans- Integer- integer are whole number, without a fraction component. they can be positive or negative.

Float-those represent real numbers and are written with a decimal point.

String- string in python is sequence of character data. They created by enclosing characters in quotes.

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

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

Ans- statement in python is not evaluated for 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- spam

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?

Ans- integer- x=5

Float- X=5.00

String- nm=”alice”

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

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

Ans- can only concatenate string (not "int") to string. Here remove integer.